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May 15th, 16th, 17th

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Flea Market

Exhibits

OFFICIAL FUNCTIONS

Hara Arena Conference & Exhibition Center

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*Optional equipment required

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HF• 100 Watts • All Mode • 100% Duty Cycle • Rugged Construction • Large, One Function Keys and Dials • Front Facing Speaker • Compact Size • ICOM's Most Affordable HF

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HF + 6M + 2M • 100 Watts on All Bands • All Mode • IF-DSP • Noise Reduction • Auto Antenna Tuner • Band Scope • 3 Antenna Connectors • Twin Passband Tuning • Auto Notch Filter • Audio Peak Filter • RF Speech Processor* • Up to 7 Front Panel Filter Selections* (3 filter slots)

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HF+6M • 100 Watts on All Bands • All Mode • IF-DSP • Noise Reduction • Twin Passband Tuning • Auto Antenna Tuner • True Dual Watch • Real Time Band Scope

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HF • 200 Watts • Built-In Power Supply • All Mode • IF-DSP • Noise Reduction • Auto Antenna Tuner • Auto IF Notch Filter • Level/Width Variable Noise Blanker • PSN Modulation • Twin Passband Tuning • Audio Peak Filter • 3 Antenna Connectors • Dual Receiver • Twin Tuning Knobs

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HF • 150 Watts, Built-In Power Supply • All Mode • Complete & Fully Equipped: No Options Needed, Not Even Filters • CRT with Real Time Band Scope

IC-PW1
1 KW Amplifier • HF + 6M • Removable, Remoteable Control Head • Auto Band Changing • 4 Antenna Connectors • Auto Antenna Tuner • 3 Cooling Fans

See the IC-PW1 at Dayton '98

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"Over 19 hours of use from the rechargable lithium ion battery!"*

"Looks like Yaesu did it again!"

VX-1R

Ultra-Compact Dual-Band Handheld

Features

- Frequency Coverage Wide Multi-Band Receive RX: 76~999 MHz** TX:144~148, 430~450 MHz
- AM/FM/TV Broadcast Receive
- AM Aircraft/Public Safety Receive
- CTCSS Encode/Decode
- DCS Encode/Decode
- CTCSS/DCS Tone Search
- Dual Watch
- SmartSearch™
- Auto Range Transpond System™ (ARTS™)
- Priority Channel Alarm
- ADMS-1D Windows™ Programmable
- 1 Watt External Power Supply
- 80 Minute Rapid Charger
- Flexible Antenna, Belt Clip, Hand Strap

***Cellular blocked*

**Battery Life: 5-5-90 duty cycle.*

Actual Size Shown 1 7/8"x3 3/16"x15/16"

The world's smallest HT with all the high-tech features Dick Tracy could ever want!

The ultra-compact size of the VX-1R Dual-Band is the first thing you notice as you cradle it in your palm. But the high-tech features make this radio one you must have now! Simple combinations, using seven buttons and one knob, control this marvel of engineering. One soft key touch, and wide receive VHF/ UHF--76~999 MHz RX (except cellular); 144~148, 430~450 MHz TX, or AM/FM Broadcast, Aircraft, Police, Fire--even TV, spring to life! Touch again for Yaesu-exclusives, SmartSearch™ and ARTS™, or Priority Channel Alarm. Built-in CTCSS and DCS Encode/Decode for 2m/440 amateur bands, CTCSS/DCS Tone Search, and Dual Watch, are included along with 291 Memory Channels in 9 banks with 500 mW power output. Backlit LCD Display shows 6-character alphanumeric capability; backlit keypad makes operation easy in dim light. And, although the VX-1R is the world's smallest† dual-band HT, you get over 19 hours* of use with just a 1 hour recharge from its long-lasting lithium ion battery! Big features, small size--the most satisfying combination in the world! See it at your Yaesu dealer today!

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FT-51R
Dual-Band with Dual Receive and Help Menu Function

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Specifications subject to change without notice. Specifications guaranteed only within amateur bands. So me accessories and/or options are standard in certain areas. Check with your local Yaesu dealer for specific details.

†Smallest HT as of Jan. 1998

SEE US IN BOOTHS 521-524, 532-535 & 586-587. WE ARE A HAMVENTION PRIZE DONOR.

NEW EDITION!
NEW FEATURES!

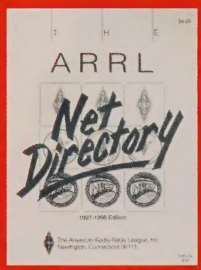
SEE DEMO at the ARRL BOOTH!
Booth Numbers: 208-210

If you can point and click a computer mouse you can quickly find all the information you need to pre-program your rig or take along a sequential list of repeaters for your entire trip.

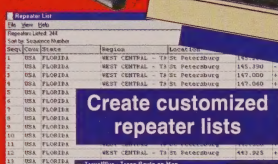
Export repeater data to support rig programming software.

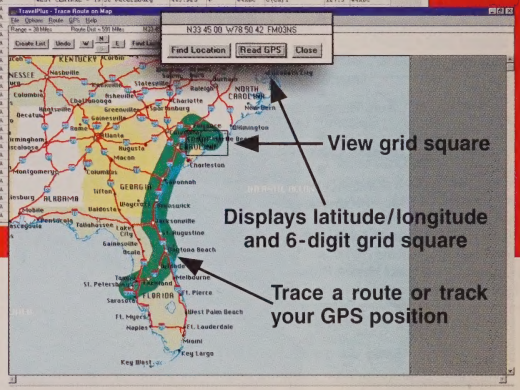
What's New?

Links to GPS units–tracks route on map and displays repeaters while you're on the road.



ARRL Net Directory included on CD-ROM!




N33 45 00 W78 50 42 FM03NS
Find Location
Read GPS
Close
View grid square
Displays latitude/longitude and 6-digit grid square
Trace a route or track your GPS position

TravelPlus has two sets of maps. For planning longer trips, you can choose maps that display major highways and cities in the US or Canada—or choose more detailed maps that add US state highways.

This exciting CD-ROM enables you to locate repeaters along your travel route and access repeater data in ways you never thought possible. With TravelPlus, you can:

- Trace a route and find all repeaters within a specified range on whatever bands you select. Identify repeaters within 500 miles of any location. NEW! **You can change ranges along your route.**
- NEW! **Plug in a GPS unit and track your current position, route and grid square.**
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- Customize repeater information for your needs. Includes the entire ARRL VHF/UHF Repeater DataBase. Find repeaters for selected bands; select repeaters for certain locations or regions (or find the most popular output frequencies); locate open repeaters and those with autopatch capability; sort alphabetically by state, region and location; sort by frequency in ascending or descending order; sort in reverse sequence order for your return trip. NEW! **Home locations may be set using city or latitude/longitude.**
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- View ARRL Band Plans and Frequency Coordinators. NEW! **Includes hundreds of listings from *The ARRL Net Directory*.** Check into nets while traveling!
- View Help Topics for all screens.

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Requires *Microsoft Windows*.

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JRC

JST-245

3

160-10 Meters PLUS 6 Meter Transceiver

Fifteen reasons why your next HF transceiver should be a JST-245

1. All-Mode Operation (SSB,CW,AM,AFSK,FM) on all HF amateur bands and 6 meters. JST-145, same as JST-245 but without 6 meters and built-in antenna tuner.
2. MOSFET POWER AMPLIFIER • Final PA utilizes RF MOSFETs to achieve low distortion and high durability. Rated output is 10 to 150 watts on all bands including 6 meters.
3. AUTOMATIC ANTENNA TUNER • Auto tuner included as standard equipment. Tuner settings are automatically stored in memory for fast QSY.
4. MULTIPLE ANTENNA SELECTION • Three antenna connections are user selectable from front panel. Antenna selection can be stored in memory.
5. GENERAL COVERAGE RECEIVER • 100 kHz-30 MHz, plus 48-54 MHz receiver. Electronically tuned front-end filtering, quad-FET mixer and quadruple conversion system (triple conversion for FM) results in excellent dynamic range (>100dB) and 3rd order ICP of +20dBm.
6. IF BANDWIDTH FLEXIBILITY • Standard 2.4 kHz filter can be narrowed continuously to 800 Hz with variable Bandwidth Control (BWC). Narrow SSB and CW filters for 2nd and 3rd IF optional.
7. QRM SUPPRESSION • Other interference rejection features include Passband Shift (PBS), dual noise blanker, 3-step RF attenuation, IF notch filter, selectable AGC and all-mode squelch.
8. NOTCH TRACKING • Once tuned, the IF notch filter will track the offending heterodyne (±10 Khz) if the VFO frequency is changed.
9. DDS PHASE LOCK LOOP SYSTEM • A single-crystal Direct Digital Synthesis system is utilized for very low phase noise.
10. CW FEATURES • Full break-in operation, variable CW pitch. built in electronic keyer up to 60 wpm.
11. DUAL VFOs • Two separate VFOs for split-frequency operation. Memory registers store most recent VFO frequency, mode, bandwidth and other important parameters for each band.
12. 200 MEMORIES • Memory capacity of 200 channels, each of which store frequency, mode, AGC and bandwidth.
13. COMPUTER INTERFACE • Built-in RS-232C interface for advanced computer applications.
14. ERGONOMIC LAYOUT • Front panel features easy to read color LCD display and thoughtful placement of controls for ease of operation.
15. HEAVY-DUTY POWER SUPPLY • Built-in switching power supply and a cooling systems designed for continuous transmission at maximum output.

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Skip the 14-hour flight, and make the short drive to The Dayton Art Institute to experience the wonders of China!

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March 7-June 7

THE DAYTON ART INSTITUTE

You'll see priceless National Treasures from China dating back more than 2,000 years, including 11 of the famous life-sized warrior figures from the First Emperor's tomb site. These are joined by more than 100 other gold, silver, bronze and jade objects that offer a fascinating tour of two of the world's greatest empires and the ancient peoples who built them.

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Visit our website at wwweternalchina.com hosted by the Dayton Network Access Company.

The U.S. tour of ETERNAL CHINA—Splendors from the First Dynasties is supported in part by a grant from the National Endowment for the Arts. In Dayton, it is presented by the General Motors Corporation, with additional support from Mrs. Virginia W. Kettering; Residence Inn by Marriott-Dayton South; Bank One, NA; United HealthCare; Montgomery County; WHIO-Channel 7; Dayton Daily News; and the Dayton/Montgomery County Convention and Visitors Bureau.

THE DAYTON ART INSTITUTE

456 Belmonte Park North, Dayton, Ohio 45405

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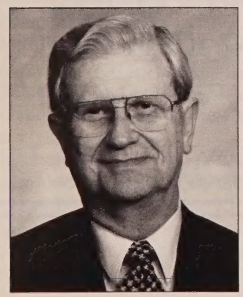
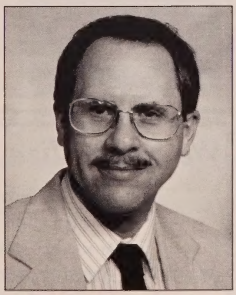
Chairman's Welcome



Dick Miller, N8CBU
General Chairman



Jim Graver, KB8PSO
Assistant
General Chairman

Welcome!

On behalf of the Dayton Amateur Radio Association and the Dayton Hamvention Committee, I am pleased to welcome you to the 1998 Dayton Hamvention. Since before the doors closed on Sunday afternoon at last year's show, the Hamvention Committee has been hard at work to plan and assemble another great program. As always, our goal is to provide the very best equipment displays, an outstanding Flea Market, stimulating forums and social events. This year we have chosen to be an ARRL approved hamfest. We hope that everyone visiting Hamvention finds "just what they're looking for."

Again, welcome to our show. Have a great time, renew old friendships, make new ones and have a safe trip home. See you in '99.

73,

Dick Miller

Dick Miller, N8CBU
General Chairman

The world's best ham weather station*-- only $379

Actual size: 6¼" x 2⅛" x 1¼"

The ULTIMETER® 2000 has many more advanced features to alert you to changing *local* conditions and to keep you ahead of the weather news

Instant access to: • current values • • today's highs and lows • long term highs and lows • time/date for all highs/lows • rain totals† for today, yesterday, and long term • alarms, and much more. Easy to install.

Features superbly accurate: • barometric pressure • 3-hr. pressure change • indoor/outdoor humidity† • dew point† • wind speed/direction • indoor and outdoor temperature • wind chill temperature • rainfall†.

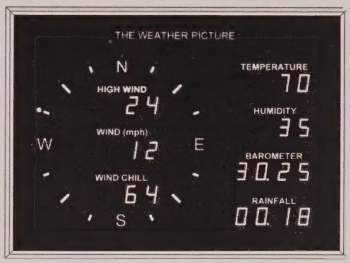
Only $379 plus shipping (†Optional sensors add'l.) Other ULTIMETER models starting at $189.
*Even *WeatherWatch* magazine (May, '96), known for its authoritative reviews, concludes "the best we have seen."

SEE US IN BOOTHS 151-154. WE ARE A HAMVENTION PRIZE DONOR.

The Weather Picture® An eyepopping add-on to your ULTIMETER

This new wall unit with its elegant teak or brushed aluminum frame displays all the vital weather data you preselect, without having to press a single button. Big red numerals are easy to read from across the room, day or night. Interfaces with your ULTIMETER Weather Station, lets you customize data display. In two sizes.

NEW!



Size shown: 15¼" x 11½"

Visit our Home Page to see and try our Weather Stations.
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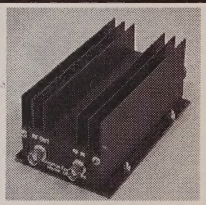
2 METER AMPLIFIERS



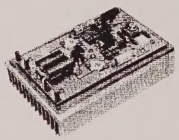
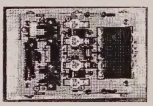
MODEL 335A 35 WATTS
$79.95 Kit/$109.95 Wired

MODEL 875A 75 WATTS
$119.95 Kit/$159.95 Wired

MOTOROLA

APPLICATION NOTES
&
ENGINEERING BULLETINS

We have components and PC boards for the following amplifiers and more!

EB63	140 WATTS	2 - 30 MHz	$ 90.00
AN762	140 WATTS	2 - 30 MHz	$ 81.60
EB27A	300 WATTS	2 - 30 MHz	$ 133.35
EB104	600 WATTS	2 - 30 MHz	$ 361.20
AR305	300 WATTS	10 - 175 MHz	$ 317.05
AR347	1000 WATTS	2 - 50 MHz	$1070.25

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$49.95 Kit/$69.95 Wired

ATV-4 902 - 928 MHz
$59.95 Kit/$79.95 Wired

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SEE US IN BOOTH 318.

Registration and Ticket Sales

General Admission ...

Tickets (valid all 3 days) . . . . . **$20.00** Age 12 or younger . . . . . **FREE**

A general admission ticket is required to attend the Alternate Activities. This ticket can be purchased at Meadowdale High School.

Mail order ticket requests RECEIVED by April 25 were sent by return mail. Orders received AFTER the deadlines are held for pick-up in the Hamvention office.

Grand Banquet ...

Tickets $30.00 each, which includes concert. Ronnie Milsap, WB4KCG, In Concert **ONLY** General Admission tickets are $10.00. If concert tickets are still available, they may be purchased at the banquet door for $15.00.

Flea Market ...

A general admission ticket is required to enter the Flea Market. For 1999 Flea Market permits, watch for our ad in various amateur radio magazines. See pages 8 and 28 for more Flea Market information.

Admission Tickets May Be Purchased ...

Friday .....Starting at 7:00 a.m.
Saturday .....Starting at 7:00 a.m.
Sunday.....Starting at 7:00 a.m.

Alternate Activities Luncheon ...

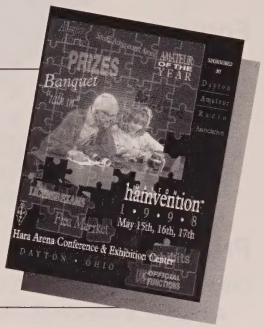
(Includes door prize drawing)

Luncheon Saturday $10.00

Assembling the Pieces ...

The Dayton Hamvention consists of many individual pieces. Each piece important, but when interlocked together by team-work, forms a complete picture.

Shown in the picture are Bob Wilson, W8JRN and Sarah Pinkus, KB8BTL



Hamvention Phone Numbers ...

Office.....276-6930
Flea Market.....276-6932
Exhibits.....FAX: 276-8914 Phone: 276-6931
Communications.....276-8906
Forums.....276-8908
Emergency Phone.....276-8906

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FUTURE HAMVENTION DATES ...

1999 — May 14,15, 16 **2000** — May 19, 20, 21 **2001**— May 18,19, 20

Exhibit Hours ...

Exhibits open and prizes on display.

Friday	Noon - 6:00 p.m.
Saturday	8:00 a.m. - 5:00 p.m.
Sunday	8:00 a.m. - 2:00 p.m.

Flea Market Hours ...

Friday	8:00 a.m. - 6:00 p.m.
Saturday	7:00 a.m. - 5:00 p.m.
Sunday	7:00 a.m. - 2:00 p.m.

Forum Hours ...

Friday	8:15 p.m. - 5:00 p.m.
Saturday	8:15 a.m. - 5:00 p.m.
Sunday	8:15 a.m. - 12:45 p.m.

Please note that some Forums are held at Meadowdale High School. Free shuttle bus provided.

Prize Drawings ...

Drawing for major prizes: 2:00 p.m. Sunday.

All inside areas except Prize Drawing Area (Hara Arena) will be closed and secured at 2:00 p.m. Sunday. Hara Arena will be closed after the last prize is drawn.

Message Center ...

Leave a message for your friends by entering their call sign and message at the DARA Booth #1 (next to the Prize Booth)(see map pages 26 & 27). Prize monitors throughout the arena complex and at the DARA Booth will periodically list "message holding", by call sign.

Talk-in Frequencies ...

For directions and assistance in the Dayton Area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-), alternate 146.91(-). Dayton Hams also monitor 223.94 (-), and 442.1 (+). MIDCARS will again monitor and provide travel assistance on 7.258 MHz.

Baggage Check ...

Room across from Forum Room 3, $2.00 per claim check. All items must be reclaimed by closing time each day. Time extended to 4:00 p.m. on Sunday. No overnight storage is permitted.

Lost and Found ...

The five Information Booths in the Hara Arena lobby, East Hall, Conference Center, the rear Hara Arena entrance ramp (door 17) and Ball Arena will accept lost items. To retrieve lost items, please go to the information booth in the Hara Arena lobby.

Special Event Station ...

Thanks to the generous loan of equipment we once again will have our Special Event Station W8BI/8 operating from the Hamvention Flea Market. The Station will be open to the public during Flea Market hours. Those who upgrade at a Hamvention testing session are especially invited to stop by and use their new privileges. (See page 28 for location.)

W8BI/8 will be operating in the General and Novice phone and CW portions of 20m and 40m to allow as many as possible to be with us in spirit.

W8BI/8 QSLs Hams and SWLs 100%. To QSL, send a business-size stamped, self-addressed envelope to W8BI/8, P. O. Box 44, Dayton, Ohio 45401-0044, or QSL via the Bureau.

Freight Service ...

Mail Boxes Etc. will offer freight service from the "floor of Hamvention". They will be in Booths 203, 204 and 215 and 216, on Friday, Saturday and Sunday. Mail Boxes Etc. will have representatives at their booth to assist you with your shipping needs. See map on pages 26 & 27.

Hours:	Friday	Noon	-	6:00 p.m.
	Saturday	9:00 a.m.	-	5:00 p.m.
	Sunday	9:00 a.m.	-	2:00 p.m.

License Exams ...

License exams for all pre-registered candidates will be held at Meadowdale High School on Saturday. Shuttle bus service is provided from Hara Arena to the test site.
Walk-Ins are accepted, if room is available. Test begins at 10:00 a.m. Doors open at 9:00 a.m. for check-in.

Dayton Amateur Radio Association (DARA) and Hamvention fully support, and are committed to the objectives of the Americans with Disabilities Act (ADA). DARA and Hamvention strive to provide equal opportunity to all qualified persons to participate in Hamvention. Our objective is to provide access to the event that we organize and we expect nothing less of those who provide building facilities, exhibits, and services to our event.

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The SG-500 SmartPowerCube produces tremendous power–nearly as much as a 1 kW amplifier. Yet it requires less than one cubic foot of space. Electronic brain power makes this possible. The SG-500 is an intelligent–microprocessor controlled–high powered linear amplifier, designed with high efficiency transistors. Its electronic brain constantly monitors your HF-SSB's activities, power needs and antenna condition, and automatically–in less than 15 milliseconds–selects the right broadband filter. And it's designed to reliably produce, essentially unattended, in the most demanding conditions. For maximum power–intelligent power–at low cost, the SG-500 SmartPowerCube is just the amplifier you need. Call us for details.

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*Export model: 1.8 – 30 MHz., U.S.: 1.8 – 24 MHz. Pending FCC approval.

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The SG-235 Smartuner "intelligently" tunes any length antenna from 23 feet! No preliminary tuning or adjustment is required and the SG-235 will operate with any HF transceiver in the 1.8 to 30 MHz range and with output power from 3 to 500 watts.

Automatically, the SG-235 Smartuner evaluates and switches 64 input & 32 output capacitance combinations plus 256 inductance combinations in a "pi" network—over a half-million matches. The SG-235 Smartuner then remembers the chosen frequency and tuning values and automatically reselects those values—in less than 10 ms, each time you select that frequency. Flexibility is a key feature with its attractive options, including 24 VDC.

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- 1.8 to 30 MHz Range
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- 10-mS Retuning Time

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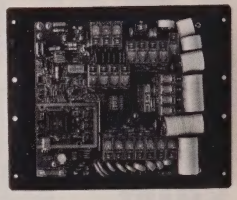

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- Compact design, fits the most restrictive installations
- Weatherproof case allows mounting at antenna feed point for highest efficiency

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The SG-231 - designed for any radio application - a smart addition to SGC's Smartuner series, and a smart choice for your next antenna coupler, Call SGC or your radio dealer to order yours!

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Bus Transportation ...

There will be free Bus Service provided between Hamvention and our satellite parking areas which include: Forest Park Plaza, Salem Mall, Dayton Mall, University of Dayton (UD) Arena, the KOA campground and the Air Force Museum. Buses will run continuously starting at 7:00 a.m. and make routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible.

Avoid parking problems by riding the HAMVENTION buses.

Banquet Route ...

A bus will only be available from Dayton Tall Timbers Resort (KOA) to and from the Nutter Center.

Parking ...

There are approximately 8,000 privately owned pay-to-park parking spaces near Hara Arena. In addition, we have again arranged for free parking and free shuttle bus service at Forest Park Plaza, University of Dayton (UD) Arena, Salem Mall, Dayton Mall and the Air Force Museum.

Camping ...

Campers, trailers, self-contained vehicles, or vehicles that require more than one space will not be permitted to park at Salem Mall. Semi-tractor/trailers and large self-contained vehicles may park at Forest Park Plaza and take the shuttle bus to Hara Arena. No overnight parking allowed at Forest Park Plaza. Campers and trailers may park/camp at Tall Timbers KOA (1-937-833-3888). Free shuttle bus service available.

Temporary Loading Pass ...

You can obtain a temporary loading pass from the Traffic Committee or from the guard at Entrance 1 during the show. This restricted loading pass will be good for 20 minutes and will allow you to use a designated area to load and unload equipment or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at Exit Number 1 when you leave. (See map on pages 26 & 27).

Wheelchairs ...

A limited number of wheelchairs have been reserved in advance.

ADA Parking Passes ...

Handicapped visitors have been issued special parking passes in advance. Paid parking only.

Accurate Address Information Needed ...

Did you fail to get advance Hamvention information in the mail this year? If so, there may have been a problem with your mailing address. Our mailing list is compiled from information taken from ticket stubs that are dropped in the prize drum.

Banking Services ...

Bank One and National City Bank (NCB) have Salem Mall branches and have normal Saturday hours. For your convenience there is an ATM at the front entrance to Hara Arena. There are several ATM machines at the Salem Mall, and NCB & Citizen Federal branches at Forest Park shopping center. Check for hours. Both locations are accessible by shuttle bus. (See map on page 61 for location).

Emergency Medical Care ...

We have on-site Emergency Medical Service near Door 17 at the rear of Hara Arena.

There is an Urgent Care Office located at:

5915 N. Main Street

Their hours of operation are from 8:30 a.m. to 10:00 p.m. 278-3826.

From Hara Arena, take Shiloh Springs Road to the traffic light at Main Street, turn left, to the first building on the left.

Also located in the area is Good Samaritan Hospital:

2222 Philadelphia Drive

278-2612

From Hara Arena, take Wolf Road to Salem Avenue, take a left, proceed to the traffic light at Philadelphia Drive.

Taxi Information ...

We have negotiated with Yellow Cab to provide on-site service at Hara Arena. Yellow Cab is offering flat rate service for Hamvention weekend to and from Hara Arena and Dayton area hotel/motels and restaurants.

The following companies offer taxi service in the Greater Dayton Area:

Yellow Cab .....(937) 228-1155
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- 17 Amp/Hr Gel Cell w/Heavy Duty Jumper Cables provide up to 300 Amps SC
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PC300	300 Watts	500 Watts	5.6" x 3.8" x 1.3"	$54.95*
PC500	500 Watts	800 Watts	14.2" x 6.3" x 2.6"	$99.95*
PC1000	1000 Watts	2000 Watts	12.5" x 9.5" x 3"	$269.95**
PC1500	1500 Watts	3000 Watts	16.2" x 9.5" x 3"	$394.95**
PC2500	2500 Watts	4000 Watts	17" x 8" x 6"	$574.95**

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- Rigid 42 Watt $349***
- Rigid 64 Watt $449***
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- All units have diodes for partial shade
- Flexible units also have reverse blocking diodes
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BA-12 12 Ft Tall $99.95**
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Friday

4:00 **Lambda Amateur Radio Club (LARC)**
Ramada Inn, 4079 Little York Road, Dayton, OH

Established in 1975, LARC is the only open and visible public service-oriented club for gay and lesbian hams and their friends.LARC is an ARRL Affiliated club with membership open to all.

4:00 **Rainbow Amateur Radio Association**
Huber Heights Comfort Inn, 7907 Brandt Pike, Dayton, Ohio

The Radio Club for gays, lesbians and their friends. See hotel lobby sign for location to the hospitality suite.

4:00 **W1TP Telegraph Key Museum / Exhibit**
Flea Market spaces 2554 - 2551

Tom Perera, W1TP will display over 500 historic telegraph keys dating from before the Civil War through WWII.

A "pot-luck", bring-your-own-refreshments, Show-and-Tell party for key collectors will be held Friday and Saturday at 4:00 P.M. Bring your "finds" to show-off and perhaps trade.

Come visit and bring any OLD keys, photographs, stories, or telegraph-related documents. Information, History, Adjustments, Appraisals, AND Pretzels will be provided free!!

Tom will be looking to acquire or photograph old and unusual keys, telegraph apparatus, and documents, and to record telegraph stories for my internet telegraph key museum, as well as trading and selling keys. You may access and visit my museum at: http://w1tp.com for previews. Look for the Ten Foot High Telegraph Key Signs.

6:30 **DX DINNER (12TH ANNUAL)**
Crowne Plaza Hotel in downtown Dayton

Displays and cash bar at 6:30 p.m., dinner at 7:15 p.m. Sponsored by Southwest Ohio DX Association.

6:30 **MERCURY MIDWEST CHAPTER, MERCURY AMATEUR RADIO ASSOCIATION**
Old Country Buffet in the Consumer Square Shopping Center, on Rt. 49, one-half mile north of the Salem Mall, at the corner of Olive Road.

An informal dinner meeting. All LDS hams and friends are welcome to join us.

7:00 **CONTEST AND DX SUPER HOSPITALITY SUITE**
Crowne Plaza Hotel, Miami Room (2nd Floor) in downtown Dayton

The North Coast Contesters and The Frankford Radio Club will host the Contest and DX Super Hospitality Suite, from 7:00 P.M. to 2:00 A.M.. Sponsored by RF Applications Inc. There is room for 300 Contesters and DXers. All are welcome.

7:00 **QRP ARCI (AMATEUR RADIO CLUB INTERNATIONAL) AWARDS BUFFET**
Days Inn Dayton South, 3555 Miamisburg-Centerville Road, Dayton, Ohio

Reservations are required for the dinner.

7:00 **FAST SCAN AMATEUR TV**
The West Carrollton Lions Club, 425 East Main Street, West Carrollton, Ohio

Hosted by DARA W8BI-ATV Repeater Group ATNA and Co-sponsored by: ATCO - HATS - CAATN - ATVQ - Door Prizes, Snacks, ATV Equipment Home Brew Contest, LIVE ATV Airborne Fly Over and Six (6) other talks on ATV subjects will be given. For directions stop by the W8BI-ATV Repeater Group/ATNA Booth 107 or contact us on 144.34.

7:00 **VHF WEAK SIGNAL GROUP**
Holiday Inn North, 2301 Wagoner Ford Road, Dayton, Ohio

UHF/VHF Annual Banquet. Prize Drawings. A noise figure measuring table, and a guest speaker will be on the program.

7:00 **QCWA DINNER**
Alex's Continental Restaurant, I-75 Exit 44 Dayton Mall, 1/3 mile west on SR 725. COD Bar 7:00 P.M., Dinner 7:30 P.M.

Advance reservations required. QCWA membership is not a requirement to attend.

7:00 **FISTS INTERNATIONAL**
Crowne Plaza Dayton Hotel — Windows Lounge

An informal get-together for all members of the FISTS International CW Club as well as all others interested in promoting the use of CW on the ham bands. Cash bar. All FISTS members and others are encouraged to stop in and say hello.

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Up to 5 watts output, 41 memories, huge display. DJ-190 (no keypad) also available.

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Up to 5 watts output, Channel Scope™, 100 memories/band, CTCSS encode and decode, rf attenuator, 13.8 vdc input port, V/U, V/V, U/U, U/V, programmable 2nd PTT, AM air band receive, full duplex and cross band repeat capabilities

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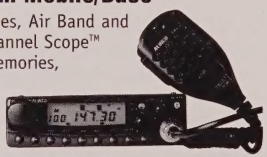
▪ DR-150T, DR-150TQ 2m Mobile/Base

50 watts output, 100 memories, Air Band and UHF (440 ~ 450 Mhz) RX, Channel Scope™ display, 2 VFOs, auto dial memories, 9600 packet port, H/M/L output, DR-150TQ includes CTCSS decode.



▪ DR-140T, DR-140TQ 2m Mobile/Base

50/5 watts output, 51 memories, alphanumeric display, AM air band receive. DR-140TQ includes CTCSS decode.

▪ DR-610T, DR-610TQ 2m/440 Mobile/Base

50 watts VHF, 35 watts UHF, Channel Scope™ display, 120 memories, detachable face, V/U, V/V, U/U, U/V, RF attenuator, two VFOs, H/M/L output, AM air band receive, internal duplexer, 9600 packet port, DR-610TQ includes CTCSS decode.

▪ DR-605T, DR-605TQ 2m/440 Mobile/Base

50 watts VHF, 35 watts UHF, 51 memories each band, "set and forget" squelch, UHF TX range of 430 ~ 449.995 MHz allows for satellite work, internal duplexer, 9600 packet port. DR-605TQ includes CTCSS decode.
The value leader in dual band mobiles!

▪ DR-M06TH 6m FM Mobile/Base

50~54 MHz, 100 memories, 20 watts output. Work repeaters or simplex, includes CTCSS encode (decode optional), DTMF mic.

▪ DX-70T, DX-70TH HF+6m Mobile/Base/Portable

160m ~ 6m Amateur Band TX in all modes, general coverage RX 150 KHz ~ 30 MHz and 50 ~ 54 MHz, 2 VFOs, 100 memories, removable face for remote mounting, speech compressor, SSB, CW and AM narrow filters, full, semi or automatic break-in, multi-function control, RIT, TXIT, easy split operation, RF gain, CTCSS for 10 and 6m repeaters. Both models feature 100w output on HF, DX-70TH has 100w output on 6m, DX-70T has 10w output on 6m.

▪ DX-77T HF Desktop Transceiver

160 ~ 10m Amateur Band TX in all modes, general coverage RX 500 KHz ~ 30 MHz, 2 VFOs, internal keyer (6 ~ 50 wpm), 100 memories, 13.8 VDC input, optional computer control capability, CTCSS encoder (front panel programmable), RIT, easy split operation, speech compressor, selectable AGC, large front panel speaker. **The value leader in HF desktop radios!**

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8:00 **WESTERN NEW YORK DX ASSOCIATION, THE 59(9) DX REPORT, AND ROCHESTER DX ASSOCIATION**
Crowne Plaza Hotel, E. Fifth Street and S. Jefferson Street, Hospitality Suite Dayton, Ohio

Drop in for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

9:00 **QRP ARCI VENDOR SOCIAL**
Days Inn Dayton South, 3555 Miamisburg-Centerville Road, Dayton, Ohio

The QRP Amateur Radio Club International invites all to the "Four Days in May" Conference Vendor Social Friday, - come meet some of the top QRP Vendors from around the world at FDIM headquarters. All invited.

Saturday

9:15 ADVENTIST AMATEUR RADIO ASSOCIATION (AARA) BEAVERCREEK SEVENTH-DAY ADVENTIST CHURCH,
670 Grange Hall Road

East of I-675, off of Route 35; monitor 145.11 Mhz+, (67 Hz PL) for information (937-426-0282) Sabbath services, potluck, supper, vespers and lots of fellowship all day for the family. Sponsored by KMCARA, flea market site # 2504.

4:00 RAINBOW AMATEUR RADIO ASSOCIATION
Huber Heights Comfort Inn, 7907 Brandt Pike, Dayton, Ohio (937) 847-8422

The Radio Club for gays, lesbians and their friends. See hotel lobby sign for location to the hospitality suite.

4:00 **W1TP Telegraph Key Museum / Exhibit**
Flea Market spaces 2554 - 2551

Tom Perera, W1TP will display over 500 historic telegraph keys dating from before the Civil War through WWII.

A "pot-luck", bring-your-own-refreshments, Show-and-Tell party for key collectors will be held Friday and Saturday at 4:00 P.M. Bring your "finds" to show-off and perhaps trade.

Come visit and bring any OLD keys, photographs, stories, or telegraph-related documents. Information, History, Adjustments, Appraisals, AND Pretzels will be provided free!!

Tom will be looking to acquire or photograph old and unusual keys, telegraph apparatus, and documents, and to record telegraph stories for my internet telegraph key museum, as well as trading and selling keys. You may access and visit my museum at: http://w1tp.com for previews. Look for the Ten Foot High Telegraph Key Signs.

5:30 THE 6TH ANNUAL DAYTON CONTEST DINNER
Crowne Plaza Hotel, 5th and Jefferson Streets (Next to the Convention Center), Dayton, Ohio, Van Cleve Ballroom (2nd floor)
6:30 pm Dinner

The North Coast Contesters are pleased to announce the Dayton Contest Dinner which is sponsored by CQ Contest Magazine. .

A short dinner program will include announcement of 1998 Contest Hall of Fame Inductions. Many contest operators from around the world will attend this event. If you like contesting, you will enjoy this dinner. Don't be left out.

6:00 **LAMBDA AMATEUR RADIO CLUB (LARC)**
Ramada Inn, Hospitality Suite4079 Little York Road in Dayton, Ohio

Annual Meeting at 7:00 PM followed by Awards Banquet.

6:00 **MERCURY MIDWEST CHAPTER**
Church of Jesus Christ of Latter-day Saints, 1500 Shiloh Springs Road

The Annual Meeting and Social of the Chapter. Cost for the dinner will be $5.00. The Mercury Amateur Radio Association includes LDS radio amateurs and friends who are interested in providing communications for Church leaders during emergencies.

7:00 **QRP ARCI CLUB SOCIAL AND NORCAL QRP BUILDING CONTEST**
Days Inn Dayton South, 3555 Miamisburg-Centerville Road, Dayton, Ohio

The QRP Amateur Radio Club International invites all to the "Four Days in May" QRP Conference Club Social - come meet some of the top QRP Builders and Clubs from around the world at FDIM headquarters. All invited.

7:00 **CONTEST AND DX SUPER HOSPITALITY SUITE**
Crowne Plaza Hotel, Miami Room (2nd Floor) in downtown Dayton

The North Coast Contesters and The Frankford Radio Club will host the Contest and DX Super Hospitality Suite, from 7:00 P.M. to 2:00 A.M.

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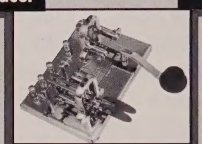

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Unofficial Functions continued

Sponsored by RF Applications Inc. There is room for 300 Contesters and DXers. All are welcome.

8:00 **WESTERN NEW YORK DX ASSOCIATION, THE 59(9) DX REPORT, AND ROCHESTER DX ASSOCIATION)**
Crowne Plaza Hotel, East Fifth Street and South Jefferson Street, Dayton, Ohio

Drop in for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

8:00 **KANSAS CITY DX CLUB ANNUAL HOSPITALITY SUITE & CW PILEUP COMPETITION**
Crowne Plaza Hotel, E. Fifth Street and South Jefferson Street, Suite 525, Dayton, Ohio

Sunday

10:00 **CW TRAFFIC HANDLERS**
Forum Room 3

An informal gathering of all CW traffic handlers, active on any net, will be held immediately following, and in the same forum room as, the Ohio Single Side Band Net (OSSBN) meeting. The group will QSY to the cafeteria for coffee and a friendly "eyeball" after assembling.

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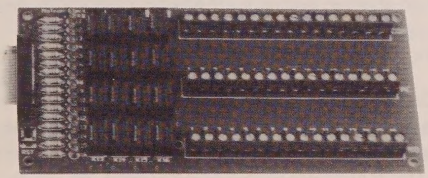

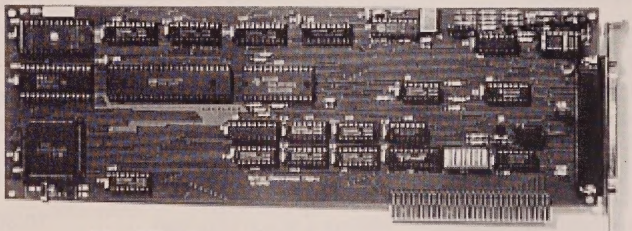

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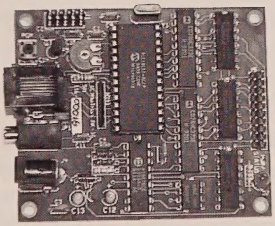

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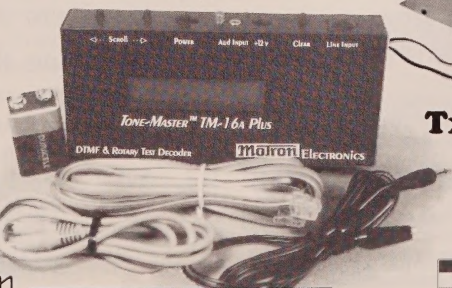

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DTMF to X-10 Controller, with CW ID, serial ASCII output, 16 relay driver outputs, & more

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SEE US IN BOOTH 113.

Hamvention Ticket Required

Friday, May 15

The following alternate activities have been planned for all attendees of Hamvention '98. Buses will depart from the main bus drop-off and pick-up location at the Hara Arena Complex. A purchased Hamvention ticket and a ticket for the selected trip are required to board the bus. **No complimentary tickets accepted.**

Progressive Luncheon

11:00 a.m. - 3:00 p.m.

Buses will depart Hara Arena at 11:00 a.m. to the first of three lunch hot spots.

Cafe Potage in the Santa Clara Arts District is famous for her starter soups that will be the feature of our first stop.

The "lunch bunch" will then continue to the Racquet Club which will serve the main entree.

The meal program will conclude with outrageous homemade ice cream concoctions.

The cost for this grand dining experience is only $15.00 with the purchase of a Hamvention ticket and includes meals, non-alcoholic beverages, tax and tips) . Buses depart Hara Arena at 11:00 a.m. (begin boarding at 10:45) and will return at approximately 3:00 p.m. Limited to 43 reservations.

City Tour

1:00 p.m. - 4:30 p.m

Join our city-wide tour to learn the history of this significant region and to introduce yourself to the abundant opportunities that await you.

A guided tour complete with historical commentary and trivia games will acclimate all participants to Dayton. Stops will include The Dayton Art Institute, Carillon Historical Park, Dayton Museum of Discovery, the Wright Brother's Bicycle Shop, the Paul Laurence Dunbar House and more!

Guests will depart Hara at 1:00 p.m. (begin loading at 12:45) and return at approximately 4:30 p.m. The total cost is $5.00 with the purchase of a Hamvention ticket. Come to learn, see and experience all that Dayton has to offer! Limited to 43 reservations.

Shopping Shuttle Bus

Shuttle bus service from and to Hara Arena and the shopping entrance at the Salem Mall will be provided at no charge.

There will also be a shuttle to the Dayton Mall which will make a loop to the Mall for shopping.

Air Force Museum Shuttle Bus

Shuttle bus service from and to Hara Arena and the Air Force Museum will be provided from 8:30 a.m. to 4:30 p.m. at no charge. Check our program for the bus number.

Saturday, May 16

(At Meadowdale High School)

A schedule of activities are planned from 9:00 a.m. to Noon and from 2:00 p.m. to 4:00 p.m. at Meadowdale High School. A Hamvention ticket is required.

9:00 - 10:30 Glass Etching .....ROOM 1
Make expensive looking gifts, under the direction of Maxine, that look like you spent a lot of money, but only cost you a little time. Cost:$4.00

9:00 - 10:30 Christmas Swag .....ROOM 2
Pauline will show us how to combine lots of pine and gold silk poinsettias to make this beautiful swag which would brighten any home for the holidays.Cost: $6.00

9:00 - 10:30 Potpourri Hat.....ROOM 3
Once again, Janet is busily crocheting hats to decorate with ribbons and flowers and fill with pot-pourri. Cost: $4.00

9:00 - 10:30 Teacher Puzzle Pin.....ROOM 4
Cheryl will instruct us on making a pin from a puzzle for yourself or a favorite teacher. Cost: $4.00

9:00 - 10:30 Ruthie Lange .....ROOM 5

10:30 - 12:00 Iron Decor on Shirt.....ROOM 1
Maxine shows us how to put your call-sign or favorite saying on a shirt Cost: $4.00

10:30 - 12:00 Christmas Wreath.....ROOM 2
Another prize winning design for the holidays from Pauline. Multi-color lame' ribbon with pine and berries on a straw wreath. Sharp! Cost: $6.00

10:30 - 12:00 Elegant Paper Cutting .....ROOM 3
Here's that word again, Scherenschinitte. The design will be more detailed this year, but Janet will show us it's just as fun to do. The results will surprise you. Great gift. Cost: $5.00

10:30 - 12:00 Button Covers .....ROOM 4
Our instructor Cheryl will help us decorate buttons for the holidays! Cost: $4.00

10:30 - 12:00 Ruthie Lange .....ROOM 5

Luncheon at Meadowdale H. S.

Saturday, May 16, Noon - 2:00 .....$10.00 Each
Garden Toss Salad Bar w/Chef's choice of 10 items w/Ranch, French, Balsamic Vinaigrette and Fat Free Italian dressing, Assorted Crackers, Whole Wheat Rolls and margarine, Cup of Minestrone Soup, Angel Food Cake w/Strawberries, coffee, tea & milk.

Door Prize Drawing - In Cafeteria following luncheon. You

must be present to win. Luncheon ticket is used for this prize drawing.

2:00 - 4:00 Pin Weaving .....ROOM 1
Using strips of fabric to weave a pretty design, Maxine will direct us in making a special gift for that special person. One of a kind. Cost: $6.00

2:00 - 4:00 Turkey Centerpiece.....ROOM 2
Get a head start for fall as Pauline helps us to create this adorable turkey made from a flower pot, wood ball and silk fall leaves. Make several and have a house full of turkeys!!! Cost: $5.00

2:00 - 4:00 Origami Box/Victorian Ornament.....ROOM 3
Janet will teach us to fold your own small gift box with the Oriental craft of Origami. The ornament is a ball covered in lace with roses, ribbons, and pearls. Nice gift. Cost: $5.00

2:00 - 4:00 Decorated Gift Bags .....ROOM 4
Iron on designs for Christmas, Birthday, or for a new baby. Cheryl helps make it a special gift from you. Cost: $4.00

2:00 - 4:00 BINGO.....CAFE
Carolyn will be back to entertain you with the best game of Bingo in town!! Cost: N/C

Shopping Shuttle Bus

Shuttle bus service from and to Hara Arena and the shopping entrance at the Salem Mall will be provided at no charge.

There will also be a shuttle to the Dayton Mall which will make a loop to carry the ladies to the Mall for shopping.

Air Force Museum Shuttle Bus

Shuttle bus service from and to Hara Arena and the Air Force Museum will be provided from 8:30 a.m. to 4:30 p.m. at no charge. Check our program for the bus number.

How To Be ...

... An Exhibitor

To receive information about becoming a new exhibitor at the 1999 Hamvention, leave your name and address at the Exhibits Office or write to: Hamvention Exhibits Chairman • P.O. Box 964 • Dayton, OH 45401-0964

... A Forum Speaker

If you would like to be considered as a Forum speaker for the 1999 Hamvention, write to:
Hamvention Forums Chairman • P. O. Box 964 • Dayton, OH 45401-0964

... Listed as an Unofficial Functions

To be listed in the Unofficial Functions section of the 1999 program and/or our direct mail pieces: Write to:
Hamvention Publications Chairman • P. O. Box 964 • Dayton, OH 45401-0964
Deadline for mailer: January 4, 1999
Deadline for program: March 8, 1999

... A Program Advertiser

To receive information about becoming a new advertiser in the 1999 Hamvention program or Pre-Show Brochure, write to:
Hamvention Advertising Chairman • P. O. Box 964 • Dayton, OH 45401-0964

... A DARA Member

If you would like to join the Dayton Amateur Radio Association (DARA), go to Booth #1 (next to the Prize Booth) in the Hara Arena building.

Young Ladies' Radio League

Since 1939, the oldest international organization committed to encouraging women in Amateur Radio.

YLRL Forum:
Friday, May 15
Room 3, 11:45 A.M.

Visit us at the **Buckeye Belles'** exhibit

YLs United Around the World in Friendship through Amateur Radio. Join Us!!

YLRL Membership Chairman
Marti Brutcher, W7AYL—(503) 684-YLRL
13695 SW 188th Ct, Portland OR 97223
YLRL's President
Nancy Rabel Hall—(440) 327-0334
http://home.earthlink.net/~tenmtryl/ylrl/

SEE US IN BOOTH 96.

Awards Nomination

Help us locate nominees for our Amateur of the Year, Special Achievement, and Technical Excellence Awards. Do you know an outstanding amateur in your club, community, or from on-the-air contacts? Does this person excel in some phase of amateur radio? Do you feel this person deserves world-wide recognition? All amateurs are eligible – Novice through Extra. Awards are selected by the awards committee based on the information received.

Documentation is beneficial. Magazine articles, newsletters, newspaper clippings, videos, etc. will better inform the awards committee of your candidate's accomplishments. These materials become the property of DARA and can not be returned.

Amateur of the Year

This is for the special person who has made a long term commitment to the advancement of amateur radio. We are looking for a well-rounded individual who has contributed to our hobby in some outstanding way.

Special Achievement

This is for the special person who has made an outstanding contribution to the advancement of amateur radio. This award is usually given to a respected amateur who spearheaded a single significant project.

Technical Excellence

This is for the person who has made an outstanding technical advancement in the field of amateur radio.

Name of nominee _____ Call _____

Address _____

City _____ State _____ Zip _____

Phone ( ) _____ Amateur club affiliation _____

How has this individual contributed to Amateur Radio ? _____

What else do you know about this individual ? _____

Your name (please print) _____ Call _____

Address _____

City _____ State _____ Zip _____

Phone: ☐ Day ☐ Evening ( ) _____ Your Signature _____

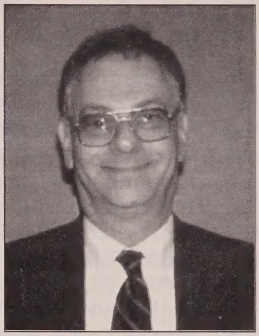
Send nomination to: ***Hamvention Awards Chairman***
Box 964
Dayton, OH 45401-0964

Please feel free to duplicate this form.

Amateur of the Year Award

Andrew J. "Andy" Feldman, WB2XFN

Andrew J. "Andy" Feldman has been active in public service since he was first licensed in 1962. He's served as Suffolk County (NY) ARES District Emergency Coordinator and as Suffolk County's American Red Cross chapter disaster communications chairman. Recently, Andy became Director of Communications for the New York Wing, Civil Air Patrol. Andy is also an active SKYWARN member. Feldman was in the forefront of ham radio support activity following the TWA Flight 800 disaster in July 1996, and during an outbreak of fires on Long Island in the summer of 1995. He works at Brookhaven National Lab as a technical contract specialist. In his spare time, Feldman says he enjoys OSCAR and packet.

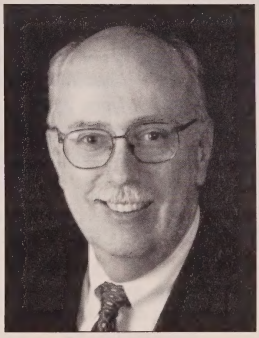


Andrew J. "Andy" Feldman
WB2XFN

Special Achievement Award

John B. "Jay" Bellows, Jr., KØQB

Jay's interest in ham radio began in 1958 when he was licensed while still in elementary school. As a young ham Jay learned from his dad, KØQBF, and his other "Elmers" that ham radio is a hobby where each of has an obligation to give back to the hobby. An attorney since 1970, Jay has been an ARRL Volunteer Consul since the program began. Over the years he has advised and assisted scores of hams in preparing applications to erect ham towers and antennas. Jay was counsel in the precedent-setting case of Pentel vs. City of Mendota Heights where the decision shifted the burden from hams to the city to show it reasonably accommodated and used the "minimum restriction necessary" when acting on tower permit requests.

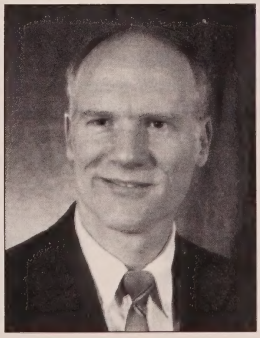


John B. "Jay" Bellows, Jr.
KØQB

Technical Excellence Award

Robert E. "Bob" Bruninga, WB4APR

Bob has been tinkering in Electronics since the 2nd grade when he built his first telegraph set and then wired the neighborhood for phones. He received his license in 1962 when he was in Junior High school and modified an ARC-5 transmitter to get on the air. He has always enjoyed the technical side of the hobby and prior to his interest in APRS, his primary focus was Packet, ATV and Satellites. He graduated from Georgia Tech in 1970 and the Naval PG school in 1971. He served 20 years as a Combat Systems and Communications Engineering Duty Officer and returned to civilian service in 1990 to operate the US Naval Academy Satellite Ground Station where he is currently employed.



Robert E. "Bob" Bruninga
WB4APR

Previous Amateur of the Year Award Winners

1955 - William C. Jenney, W8FYW; Westlake, Ohio
Benjamin S. Zieg, W9EHU, K4OQK; Atlanta,Georgia
1956 - Edmund C. Ryan, W8LRR; Mansfield, Ohio
1957 - Ralph Crammer, W8VHO; Columbus, Ohio
1958 - Rev. C. Lynn White, K4CC; Tavarres, Florida
1959 - Harlow Lucas, W8QQ; Columbus, Ohio
1960 - Paul Wolfe, W8IVE; Cincinnati, Ohio
1961 - Ed Bonnet, W8OVG; Dayton, Ohio
1962 - Dana Cartwright, W8UPB ; Cincinnati, Ohio
1963 - Chester Funk, K8EUF, K7ZKL; Phoenix, Arizona
1964 - H. Ruble, W8PTF; Dayton, Ohio
1965 - Carl B. Snyder, W8ARW; Greenville, Ohio
1966 - Robert K. Caskey, W9DNQ; Indianapolis, Indiana
1967 - Jack Gray, W8JDV; Mason, Ohio
1968 - Elmer Schubert, W8ALW; Cincinnati, Ohio
1969 - Wayne Walters, W9DOG; Plainfield, Indiana
1970 - Kay Anderson, W8DUV; Huntington, West Virginia
1971 - Al Michel, W8WC; Cincinnati, Ohio
1972 - Don C. Miller, W9NTP; Waldron, Indiana
1973 - Ray E. Myers, W6MLZ; San Gabriel, California
1974 - Barry Goldwater, K7UGA; Scottsdale, Arizona
1975 - Richard A. Daniels, WA4DGU; Arlington, Virginia
1976 - Joseph M. Hertzberg, N3EA; Bryn Mawr, PA
1977 - Rafael M. Estevez, WA4ZZG; Hialeah, Florida
1978 - Frank Schwab, W8OK; Dayton, Ohio
1979 - George G. Batterson, W2GB; Rochester, New York
1980 - Wayne Overbeck, N6NB; Woodland Hills, California
1981 - Eric C Shalkhauser, W9CI; Washington, Illinois
1982 - Robert G. Heil, Jr., K9EID; Marissa, Illinois
1983 - Katashi Nose, KH6IJ; Honolulu, Hawaii
1984 - Dave L. Bell, W6AQ; Los Angeles, California
1985 - John J. Willig, W8ACE; Sarasota, Florida
1986 - Roy Neal, K6DUE; Woodlawn Hill, California
1987 - Carole Perry, WB2MGP; Staten Island, New York
1988 - Bill Bennett, W7PHO; Seattle, Washington
1989 - Bill Pasternak, WA6ITF; Saugus, California
1990 - Stephen Mendelsohn; WA2DHF; Dumont, New Jersey
1991- John B. Johnston, W3BE; Derwood, Maryland
1992 - Richard Baldwin, W1RU; Waldoboro, ME.
1993 - Harry Dannals, W2HD; Charlottesville, VA.
1994 - Perry Williams, W1UED; Unionville, CT
1995 - Rosalie White, WA1STO; Newington, CT
1996 - William A. Tynan, Kerryville, TX
1997 - Leo I. Myerson, WØGFQ, Omaha, NE

Previous Special Achievement Award Winners

1977 - South American Moonbounce (EME) Expedition Team of the Mt. Airy VHF Radio Club Inc., Philadelphia, PA
Elliott Weisman, K3JJZ
Anthony Sousa, W3HMU
S. William Olsan, W3HQT
Walter Bohlman, K3BPP
Daniel Mitten, WA3NFU
Socrates Martinez, WB3AFY
Bolmar Aguilar, WB3AOP
1978 - Ronald Moorefield, W8ILC
1979 - Edward Tilton, W1HDQ
1980 - Joseph Merdler N6AHU
1981 - Bill Pasternak, WA6ITF
Bill Orenstein, KH6IAF
1982 - Bruce Humphrys, KØHR
1983 - Lenore Jensen, W6NAZ
1984 - Ethel Smith, K4LMB
1985 - Judith Frye, KG8P
1986 - Rev. Michael Mullen, C.M., WB2GQW
1987 - Arthur Gentry, W6MEP
1988 - Fred Hammond, VE3HC
1989 - Phil Karn, KA9Q
1990 - Paul Thomson, KCØVG
1991 - Nate Brightman, K6OSC
1992 - Ned Raub, W1RAN
1993 - Robert Adams, WA9ZMO
1994 - Russ Kroeker, N7HGE
1995 - Ed Briner, WA3TVG
1996 - John Kraus, W8JK
1997 - Joseph J. Fairclough, WB8JKJ

Previous Technical Excellence Award Winners

1984 - Lyle Johnson, WA7GXD
1985 - Richard Whiting, WØTN
1986 - M. F. (Doug) DeMaw, W1FB
1987 - Henry (Hank) Oredson, WØRLI
1988 - Lew McCoy, W1ICP
1989 - Byron Goodman, W1DX
1990 - Bob McGwier, N4HY
1991 - Lou McFadin, W5DID
1992 - Gerald Cromer, K4NHN
1993 - Dick Jansson, WD4FAB
1994 - Dick Newell, AK1A
1995 - Philip Ferrell, K7PF
1996 - William Orr, W6SAI
1997 - Al Ward, W85LUA

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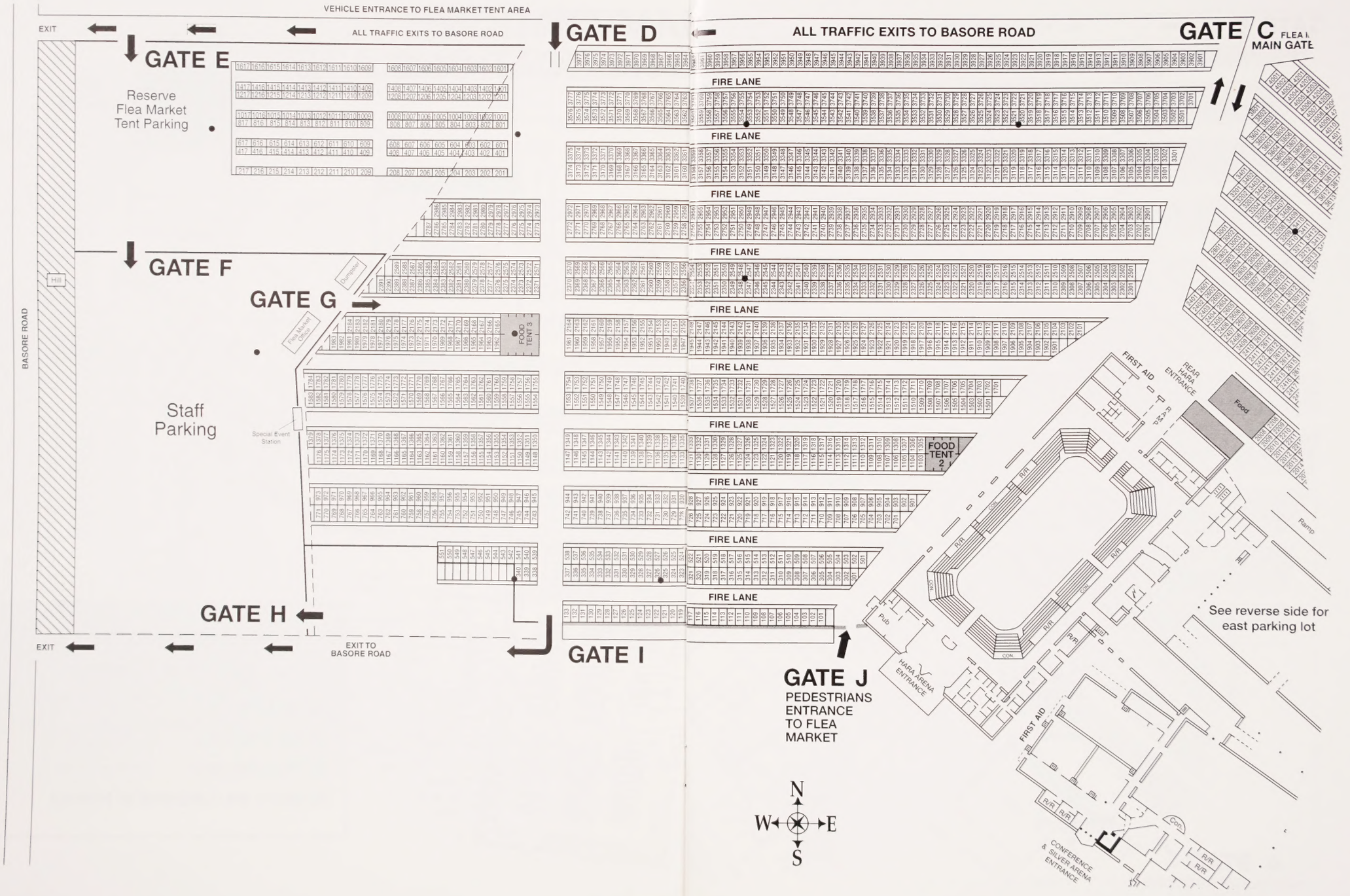
1998 DAYTON HAMVENTION EXHIBITORS BOOTH LOCATIONS

Hara Arena Conference and Exhibition Center

LEGEND:

- Pay Phones
- ★ Prize Monitors

All doors are numbered or lettered


VEHICLE ENTRANCE TO FLEA MARKET TENT AREA
EXIT
ALL TRAFFIC EXITS TO BASORE ROAD
GATE D
ALL TRAFFIC EXITS TO BASORE ROAD
GATE C FLEA I. MAIN GATE
GATE E
Reserve Flea Market Tent Parking
FIRE LANE
GATE F
GATE G
Flea Market Office
FOOD TENT 3
Staff Parking
Special Event Station
BASORE ROAD
FOOD TENT 2
GATE H
EXIT
EXIT TO BASORE ROAD
GATE I
GATE J
PEDESTRIANS ENTRANCE TO FLEA MARKET
FIRST AID
REAR HARA ENTRANCE
Food
Ramp
Pub
HARA ARENA ENTRANCE
See reverse side for east parking lot
CONFERENCE & SILVER ARENA ENTRANCE
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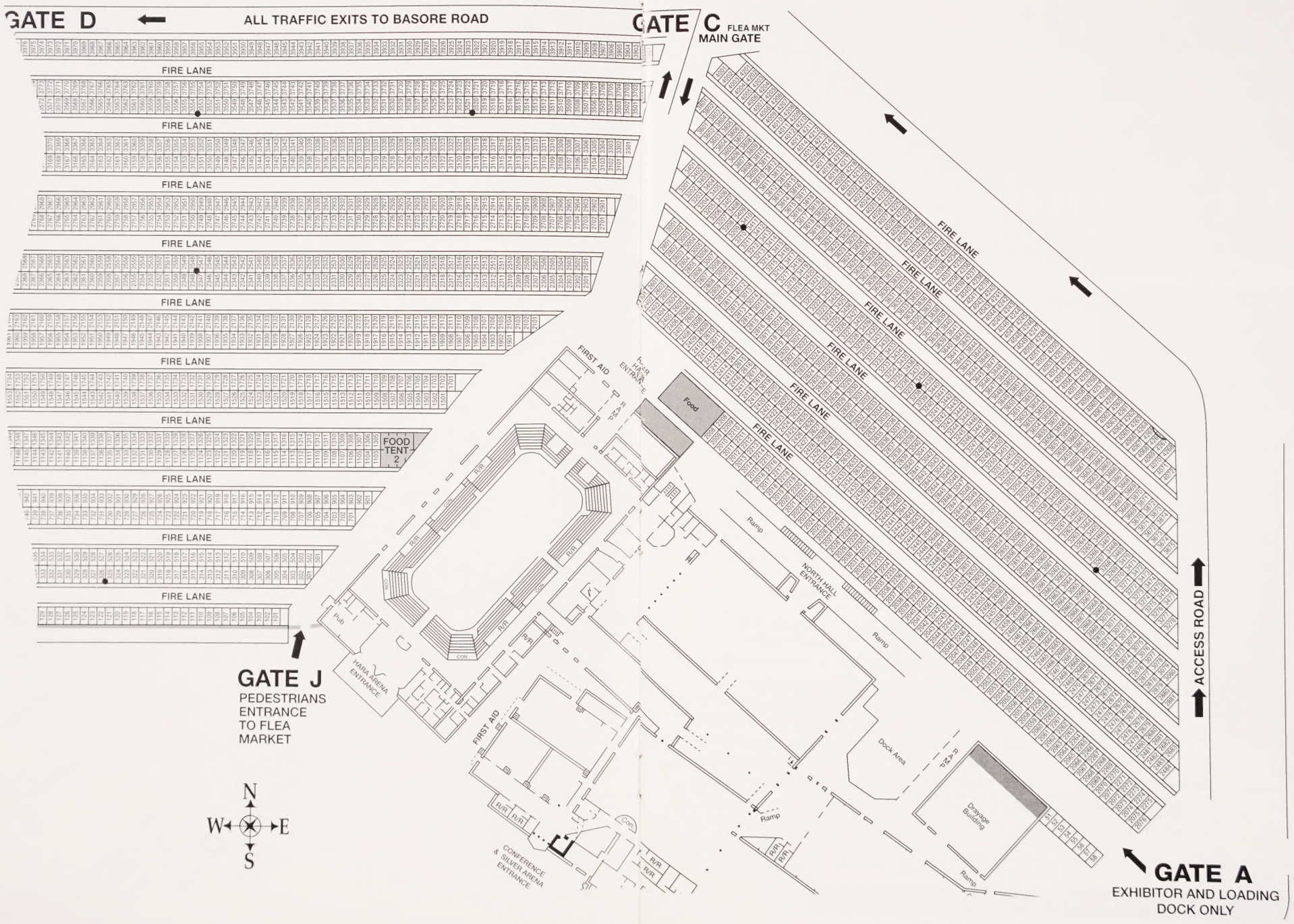
GATE D
ALL TRAFFIC EXITS TO BASORE ROAD
GATE C
FLEA MKT
MAIN GATE
FIRE LANE
FOOD TENT 2
FIRST AID
HARA ARENA ENTRANCE
Food
Pub
NORTH HALL ENTRANCE
Ramp
Dock Area
Drayage Building
ACCESS ROAD
GATE J
PEDESTRIANS ENTRANCE TO FLEA MARKET
CONFERENCE & SILVER ARENA ENTRANCE
GATE A
EXHIBITOR AND LOADING DOCK ONLY
N
W
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S

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Doing more for you at Dayton

3 Locations ~ 3 Events

Location 1. Kenwood traditional display in the main arena. Come and see all the latest Kenwood products and get all the Kenwood information and brochures. Kenwood staff will be demonstrating all the products live! **Amateur Radio license plate holders and VC-H1 Dayton 98' collectable pins for the first 10,000 people to visit our booth at #'s 50, 51, 52, 71, 72 & 73.**

Location 2. Have your picture taken with a **NEW VC-H1 Visual Communicator** at Easter Island, one of the most remote DX spots in the world. **Get a FREE QSL card that takes you there!** Visit booth #'s 508 & 509.

Location 3. "Kenwood Classroom", learn all about the new Kenwood rigs before you buy! There will be classes on the listed products available, **VC-H1, TH-G71A, TM-G707A, TM-V7A w/APRS, TS-570S, TS-870S and the Kenwood Sky Command System,** a remote HF system using a HT to control your HF rig! **WOW!** Hosted by David Corsiglia WA6TWF and Charlie Pasqual WB6CIY. Class schedules will be posted in all 3 Kenwood locations. Come to booth #'s 114 & 115.

A Kenwood pace-setting product All new for Dayton

VC-H1

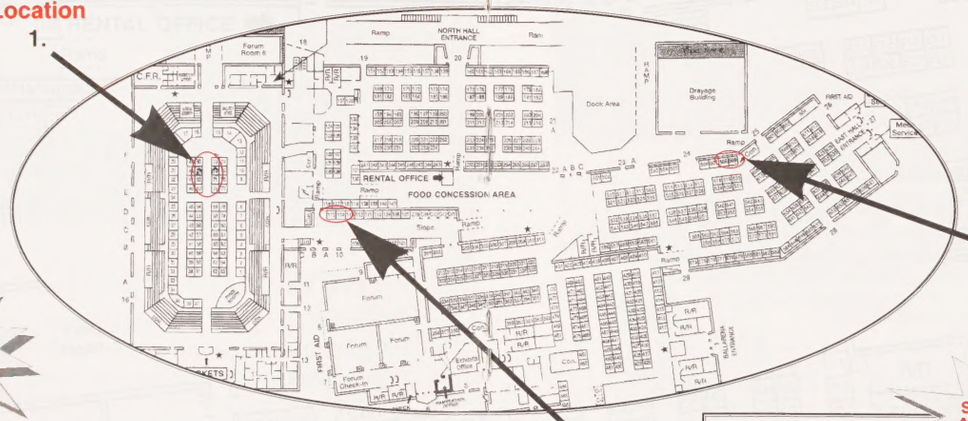
TS-570D

New CW Feature Great Performance Easy to use!

All New Dual Band with lots of features at a lower price

TM-G707A

Location 1.



Location 2.

Location 3.

TS-870S

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Backlit keypad No IMD 6 watts @ 13.6V

TH-G71A

Rugged design Great audio Super low Dayton price

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Amateur Electronic Supply	26, 27, 28, & 29
RT Systems	510, 511, 512 & 513
Universal Radio	506 & 507
HamStation	536, 357, 538 & 539
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Качество

Dayton Booth #572

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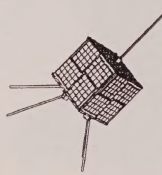

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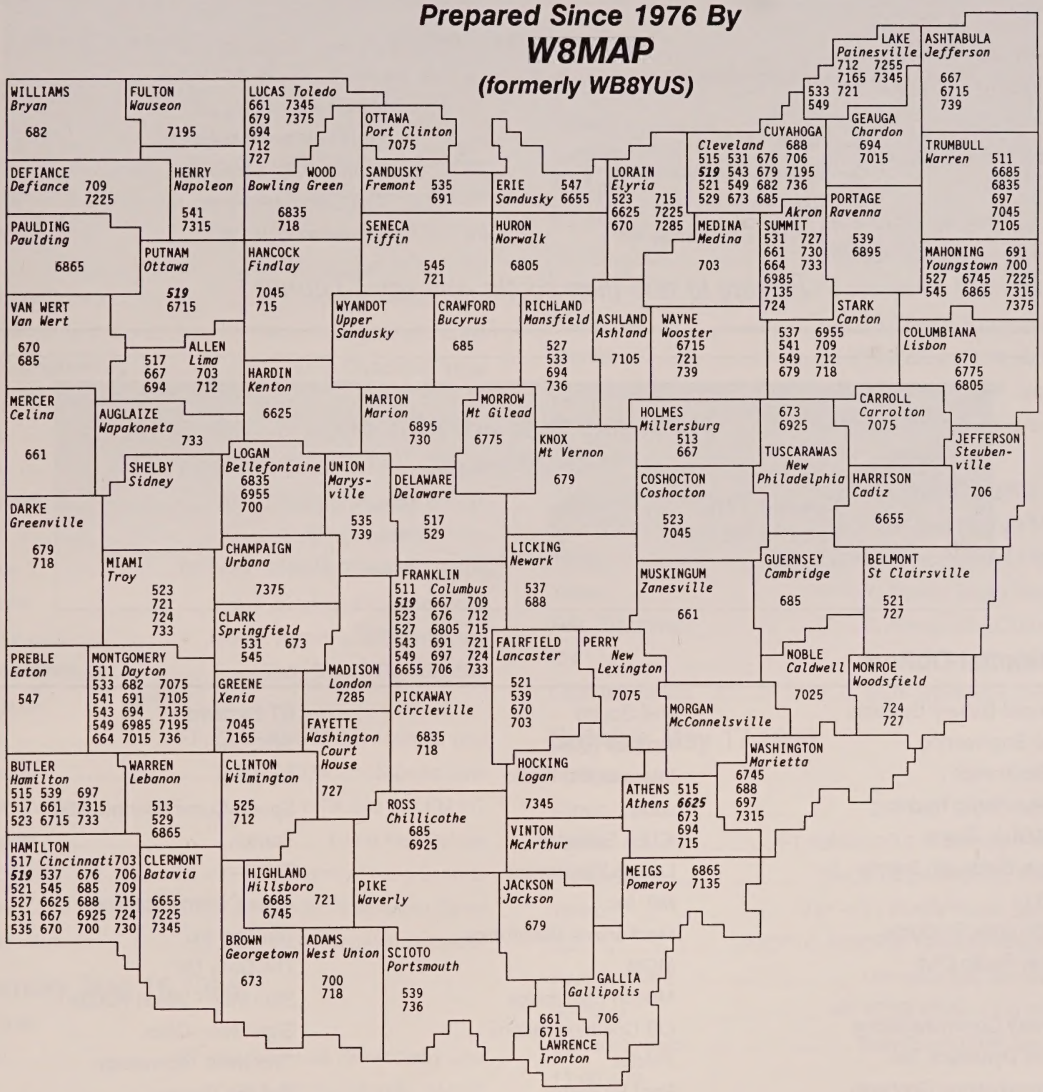
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LAKE Painesville 712 7255 7165 7345
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Additions or corrections to jgifreda@logan.net

Revised 3/22/98

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EXAMPLE: 676 indicates 146.760 MHz RX and 146.16 MHz TX. 7025 indicates 147.025MHz RX and 147.625 MHz TX.

Wide area linked repeaters are in ***bold italics*** in these counties: Hamilton, Putnam, Cuyahoga, Franklin, Athens.

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We would like to extend a special thanks to our Top Ten Prize Donors for 1998.

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6. Japan Radio Co., Ltd.
7. Buckmaster Publishing
8. Belden Wire and Cable
9. CQ Communications, Inc.
10. Optoelectronics

Be sure to stop their booths and say "Thanks"

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Bi-Hourly Bonus Prizes

In addition to our regular Hourly and Bi-Hourly prizes, we will award *hourly* five
Alinco DJ-C1T/DJ-C4T Micro-Transceivers

Friday, May 15,1998

1:00 p.m.

Alinco ..... DR-150TQ 2m FM xcvr
Kenwood ..... TH-G71A 2m/440mhz FM HT
Yaesu ..... VXF-1(Y) Family Radio Service
SGC ..... PowerClear ADSP Unit
Clearway Comm ..... Speechmaster 2000
Optoelectronics ..... Tech-Toyz/ Micro-Counter
Agrelo Engineering ..... DFjr. Direction Finder

3:00 p.m.

Yaesu ..... FT-8100R 2m/440mhz FM xcvr
Yaesu ..... FT-50RD/41B 2m/440mhz FM HT
Kenwood ..... TH-G71A 2m/440mhz FM HT
Yaesu ..... VXF-1(Y) Family Radio Service
Mosley ..... Mini-33 Tri-Band Beam
Svetlana ..... MP 811A tubes + Logbooks
Larsen ..... Mobile Antenna Gift Certificate
Optoelectronics ..... Tech-Toyz/DTMF decode

5:00 p.m.

Yaesu ..... FT-8500R/MH-39 2m/440mhz xcvr
Kenwood ..... TM-G707A 2m/440mhz xcvr
Radio Shack ..... HTX-202 2m FM HT
Vibroplex ..... Hand Key Deluxe
Yaesu ..... VXF-1(Y) Family Radio Service
Palstar ..... AT300CN Antenna Tuner
Optoelectronics ..... Tech-Toyz/Micro-counter

Saturday, May 16,1998

9:00 a.m.

Yaesu ..... FT-8500R/MH-39 2m/440mhz xcvr
Icom ..... IC-T8A 6m/2m/440mhz FM HT
Telex/Hy-Gain ..... TH3Mk4 Tri-Band beam
Yaesu ..... VXF-1(Y) Family Radio Service
Larsen ..... Mobile Antenna Gift Certificate
Optoelectronics ..... Tech-Toyz/DTMF decode
Svetlana ..... MP 572B tubes + log books

11:00 a.m.

Alinco ..... DR-605TQ 2m/440mhz FM xcvr
Kenwood ..... TH-G71A 2m/440mhz FM HT
Yaesu ..... VX-1R 2m/440mhz Submini HT
Coaxial Dynamics ..... R.F. Wattmeter #8100A
SGC ..... PowerClear ADSP Unit
Mosley ..... MY-144-9 2m beam
Optoelectronics ..... Tech-Toyz/Micro-Counter

1:00 p.m.

Kenwood ..... TM-V7A 2m/440mhz FM xcvr
Icom ..... IC-2100H 55 watt 2m FM xcvr
Yaesu ..... VXF-1(Y) Family Radio Service
Force 12 ..... C3S Classic 5 band beam
Startek ..... 35BG 3.2ghz freq counter
Optoelectronics ..... Tech-Toyz/DTMF decode
Svetlana ..... MP 811A tubes + log books

3:00 p.m.

Icom ..... IC-207H 2m/440mhz FM xcvr
Kenwood ..... TH-G71A 2m/440mhz FM HT
Yaesu ..... VX-1R 2m/440mz Submini FM HT
Yaesu ..... VXF-1(Y) Family Radio Service
R&L Electronics ..... Cushcraft 20-3CD beam
C3I ..... FO-12 147mhz yagi
Optoelectronics ..... Tech-Toyz/Micro-counter

Sunday, May 17,1998

9:00 a.m.

Alinco ..... DR-150TQ 2m FM xcvr
Yaesu ..... FT-50RD/41B 2m/440mhz FM HT
Kenwood ..... TH-G71A 2m/440mhz FM HT
Yaesu ..... VXF-1(Y) Family Radio Service
M2 ..... 2MCP14, 436CP30 Satellite Antennas
Peet Brothers ..... Ultimeter 800 wx station
Svetlana ..... MP 572B tubes + log books
Optoelectronics ..... Tech-Toyz/DTMF decode

11:00 a.m.

Yaesu ..... FT-8500R/MH-39 2m/440mhz xcvr
Kenwood ..... TH-G71A 2m/440mhz FM HT
Radio Shack ..... HTX-242 2m FM xcvr
Yaesu ..... VX-1R 2m/440mhz Submini FM HT
Mosley ..... RV-4C 10,15,20,40m vertical
Larsen ..... Mobile Antenna Gift Certificate
Optoelectronics ..... Tech-Toyz/Micro-counter

Major Prizes

The Dayton Hamvention is proud to present an outstanding array of prizes for 1998. Our donors include both show exhibitors and companies associated with amateur radio.

Prizes will be awarded hourly from 1:00 p.m. Friday to noon Sunday.

Additionally, bonus prizes will be awarded bi-hourly from 1:00 p.m. Friday to 11:00 a.m. Sunday. Please check the monitors located throughout the arena complex for winning ticket numbers.

All prizes not claimed by 1:00 p.m. Sunday will be redrawn at 2:00 p.m. You MUST be present in Hara Arena during the drawing to claim your prize.

The drawing for the Main Prizes will begin at approximately 3:00 p.m. Sunday in Hara Arena. You do not have to be present to win at this prize drawing. Main Prizes not claimed will be shipped to the winner at no charge.

Main Prizes

- **Kenwood** TS-870S HF transceiver with voice synthesizer, and digital recorder, low pass filter, HS-5 deluxe headphones, MC-80 desk mike, PS-32 P.S.; TS-60 6 mtr transceiver; TM-V7A 2m/440mhz FM transceiver; two 100' spools of Belden 9913F coax. Kenwood's Dream Station!!
- **Japan Radio Company** JST-145 HF Transceiver, 200 memories and built-in computer interface, NVT-56 desk microphone; 100' spool of Belden 99113F coax.
- **Yaesu** FT-920 HF +6m transceiver, MD-100a8x desk mike, SP-8 Speaker, 100' spool of Belden 9913F coax.
- **Icom** IC-756 HF + 6m transceiver with advanced features; 100' spool of Belden 9913F coax.
- **Yaesu** FT-847 HF+6m+2m+70cm all mode transceiver; 100' spool of Belden 9913F coax.
- **Icom** IC-746 HF+6m+2m all mode transceiver; 100' spool of Belden 9913F coax
- **Icom** IC-706 mkII compact HF/VHF all mode transceiver.
- **Alinco** DX70TH HF + 6m (high power) mobile transceiver with EDX-2 automatic antenna tuner.
- **Mundo Corp.** Gateway 2000 Solo 120mhz Pentium notebook computer, 40meg RAM, 2.1 GB HD, AC power supply.
- **Cushcraft** X9 Big Thunder series, 9 element high performance Tri-band beam.

Special Banquet Prizes

A wide assortment of prizes will be given away at the 1998 Hamvention Banquet.
Winners must be present at the banquet to claim their prize.

Kenwood's TS-570D HF Transceiver with the PS-40 switching Power Supply

Kenwood's TS-50 Mobile HF Transceiver with the AT-50 antenna tuner

Alinco's DX70TH HF + 6 meter (high power) mobile transceiver

Yaesu's FT-8500R/MH-39 Dual Band Mobile transceiver

Icom's IC-2100H 55 watt, 144mhz mobile rig

Mosley's 4 Band "Trap-Master" RV-4C, 10,15,20 and 40 meter vertical

We are extremely pleased to have as our Banquet Speaker and evening's entertainment Ronnie Milsap, WB4KCG.

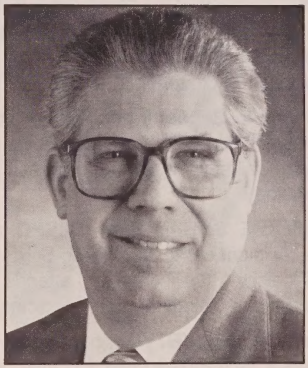
Ronnie Milsap
WB4KCG

Blind since birth, due to congenital cataracts, Milsap discovered a connection to music while attending the North Carolina State School for the Blind. He learned to play piano, guitar, clarinet, violin and cello, and developed his innate talents as a vocalist. Milsap began performing professionally in the 1960s, and scored a top-five rhythm and blues hit, "Never Had It So Good" on New York's legendary Scepter label. In 1968, his talents caught the ear of Elvis Presley, who brought the young musician in on keyboard for a number of recordings, including the hit, "Kentucky Rain." Milsap became musically rooted to Memphis and Nashville, and by 1970 was already building a sturdy country music career.

Milsap has won virtually every award a performer could hope for: the Country Music Association's Entertainer of the Year Award and Male Vocalist of the Year '74, '76, '77); CMA's Album of the Year ('76, '78, and '86); the Academy of Country Music voted Milsap Best Male Vocalist in 1983 and he won Song of the Year in 1986 for "Lost in the Fifties Tonight". He's also the recipient of the only gold Braille album ever awarded.

Today, Milsap can be seen regularly at The Ronnie Milsap Theater in Myrtle Beach, South Carolina.

Master of Ceremonies for the 1998 Hamvention Banquet is Carl Nichols, N8WFQ.



Carl Nichols
N8WFQ

Nichols is the Chief Meteorologist for WDTN 2News in Dayton. As Chief Meteorologist Carl manages the weather operations and is the weathercaster for 2News. Carl came to WDTN Channel 2 in 1977 from WYTV in Youngstown, Ohio where he was the station's chief meteorologist. Prior to that he worked for the Central Weather Service in Chicago. He has also worked as chief meteorologist at WLKY TV in Louisville.

Carl began his career as a meteorologist at WTVT TV in Tampa. He graduated from the University of South Florida with a bachelor of arts degree and is also a graduate of the U.S. Navy School of Meteorology. Carl is a member of the National Weather Association and the American Meteorological Society.

In the Fall of 1986, Carl kicked off a public service campaign called "Carl's Coats for Kids" which is now a successful and annual community service project that collects coats for the area needy.

The Hamvention Banquet will be held at the Nutter Center on Saturday evening with doors opening at 6:00 p.m.
Dinner will be served beginning at 6:45.
Concert seating **ONLY** (General admission) doors open at 7:30 p.m. Concert starts at 8:30 p.m.
Bus service will be provided from the KOA campground only.

Directions to the Nutter Center: Take I-675 to the North Fairfield exit. Turn north to the Nutter Center. See map on page 65.

Banquet Menu

Roast Prime Rib of Beef Au Jus
Creamy Horseradish Sauce
Oven Browned Potatoes Honey Ginger Carrots
Assorted Rolls and Butter
Carrot Cake
Coffee & Decaf - Tea
Substitution of Vegetarian meals are available upon request

DARA Scholarship Program

Since 1984, the Dayton Amateur Radio Association has been able to assist young amateurs heading to college by awarding scholarships. In 1997 nine students each received $2000 toward tuition at the school of their choice. The program is open nationwide to any FCC licensed amateur radio operator graduating from high school in the year the award is given. There are no restrictions on class of license of course of study. Scholarship applications for 1998 are available at the DARA Booth (Booth #1). The 1997 scholarship recipients are:

Griffith Davies, KC7NWC, of Myrtle Creek, Oregon is the recipient of the Robert F. Zimmerman Memorial Scholarship. Griffith holds a Tech Plus license and attends Oregon Institute of Technology majoring in electrical engineering.

Michael Gossenauer, NØUNY, of Aurora, Colorado. Michael holds a Technician class license and attends the University of Colorado majoring in biology and pre-medicine.

Andrew Sieber, KD4JTV, of Rocky Mount, North Carolina is the recipient of the Frank Schwab Scholarship. Andrew holds a General Class license and attends Carolina State University majoring in computer engineering.

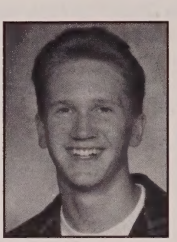
Lindsay L. Schoettinger, KB8ZJT, of Englewood, Ohio. Lindsay holds a Technician class license and attends Miami University majoring in speech pathology and hearing audiology.

Melissa E. Schweikhart, KB8EPO, of Springboro, Ohio is the recipient of the John Willig Scholarship. Melissa holds a Techician Plus license and attends Vanderbilt University majoring in biology and pre-medicine.

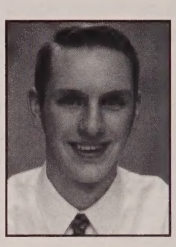
Barry Mather, KB7VQV, of Laramie, Wyoming. Barry holds a Tech Plus license and attends the University of Wyoming majoring in electrical engineering.

Jason Hale, KF4NVT, and **Christopher Hale, KF4JUO** twin brothers of Thomasville, Georgia are sharing the Charles G. Fry Memorial Scholarship. Both are Technician Class Licensees who attend Abraham Baldwin Agricultural College majoring in forestry.

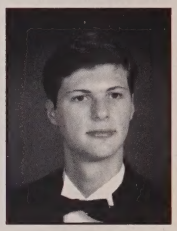
Karen Tessneer, KB8YPN, of Beavercreek, Ohio is the recipient of the Dave Beam Memorial Scholarship. Karen holds a Technician Class license and attends Ohio State University majoring in physical therapy.



Griffith
KC7NWC



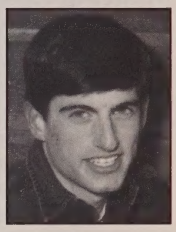
Michael
NØUNY



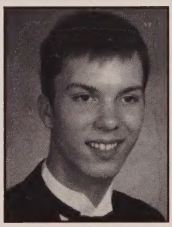
Andrew
KD4JTV

Lindsay
KB8ZJT

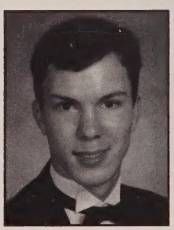
Melissa
KB8EPO



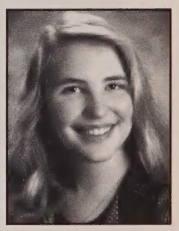
Barry
KB7VQV



Jason
KF4NVT



Christopher
KF4JUO



Karen
KB8YPN

Entries for 1998 scholarships must be received by June 1 with winners announce on or about June 15. Information and application forms are available at the DARA Booth (Booth #1) or write to:

DARA Scholarship Program
45 Cinnamon Court
Springboro, OH 45066-1000

Friday Forums

8:15 - 9:45 INTRODUCTION TO AUTOMATIC POSITION REPORTING SYSTEM (APRS) (**SESSION H-1)** ROOM 1

Moderator: Bob Bruninga WB4APR (Hamvention's 1998 Technical Excellence Award winner)

Speakers: Keith and Mark Sproul Mac/WinAPRS
Steve Dimse, javAPRS
Brent Hildebrand APRSa4

Synopsis: A brief introduction to what APRS is all about.

8:15 - 10:15 QRP (**SESSION # H-3)** .....ROOM 2

Speakers: Scott Rosenfeld, NF3I, of QRP ARCI, Maryland Milliwatts, and Internet QRP Club
Tracy Markham, N4LGH, of Bytemark, Master distributor for Amidon Associates
Rev. George Dobbs G3RJV

Synopsis: QRP operation, kit-building, homebrewing, turning down your existing rig, antennas and transmission lines, batteries, portable operation, QRP mathematics, QRP DX, contesting, and more as we think of it.

8:15 - 10:15 AMSAT #1 (**SESSION # H-2)** .....ROOM 3

Moderator: Bill Tynan, W3XO, President, AMSAT-North America

Topics: "Getting Started on the Amateur Radio Analog and Digital Satellites" - Barry Baines, WD4ASW, AMSAT-NA Vice President, Field Operations
Bdale Garbee N3EUA, P3D

"PHASE 3-D--The Satellite for ALL Amateurs--Project Team Panel Discussion " - Bill Tynan, W3XO, President, AMSAT-North America, Keith Baker, KB1SF, Executive Vice President, AMSAT-North America and Lou McFadin, W5DID, Phase 3-D Integration Laboratory Manager

"SAREX and ISS: Mission Reports and Plans" - Rosalie White, WA1STO, Director, ARRL Educational Activities Dept. and Matt Bordelon, KC5BTL, SAREX/ISS Principle Investigator

10: 00 - 1: 45 TAPR DIGITAL (**SESSION # H-4)** .....ROOM 1

Moderator: John Ackerman N8UR

Topics: Introduction, John Ackermann N8UR
TAPR Kits/Projects, Greg Jones WD5IVD and Steve Bible,N7HPR
Regulatory Issues, DeWayne Hendricks WA8DZP
Spread Spectrum, Tom McDermott N5EG and Bob Strickland, N5UAN
GPS Projects, Steve Bible N7HPR and Tom Clark W3IWI
A 15 Minute Break
Linux AX.25, John Ackermann N8UR
APRS Update, Bob Bruninga WB4APR, Mark Sproul KB2ICI, Keith Sproul WU2Z and Steve Dimse K4HG

Synopsis: Presentations on current developments in digital radio, including APRS, TCP/IP, Networking"

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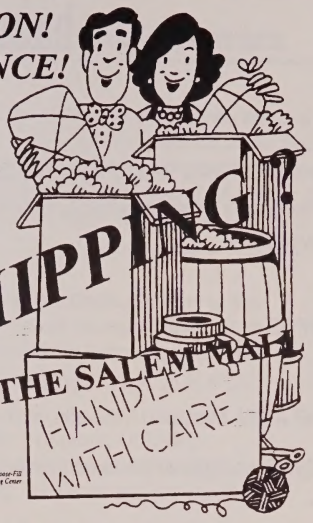
- ❑ Etc., Etc., Etc.



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10: 30 - 11: 45 MARS, COMBINED (**SESSION #H-5)** .....ROOM 2

Moderator: Bob Sutton, AAA9A/N7UZY, Chief, Army MARS

Panel members: Ray Collins, AGA3C, Chief, Air Force MARS; Bo Lindfors, NNNØASA/N2APH, Chief, Navy-Marine Corps MARS

Synopsis: Presentation of the three service MARS programs

10: 30 - 11: 30 OPERATING TECHNIQUES OF THE BEST OPERATORS (**SESSION #H6**).....ROOM 3

Moderator: Mitchell Stern W1SJ

Speaker: Ronni Stern KA1NRR

Topics: Techniques to Maximize Ham Radio Fun
Trying New Modes of Operation
Improve Your Repeater Operating Skills
Emergency Communications Techniques
Make Your Equipment Work For You
Improve Your Skills by Contesting

11: 45 - 12: 45 YLRL (**SESSION #H-7**).....ROOM 3

Moderator: Kay Eyman WAØWOF

Speakers:

Panel Members: Nancy Rabel Hall KC4IYD, President, YLRL and Nobuko Uchiyama JR6XIX, President, JLRS.

Synopsis: We'll have news on current YLRL activities, as well as updates on YL meetings and other events from around the world, including the worldwide YL meeting 1999. Contest and certificate information will be discussed.

12: 00 - 1: 45 TEACHERS' WORKSHOP (**SESSION #H-8**) .....ROOM 2

Moderator: Carole Perry WB2MGP

Panel Members: David Bell W6AQ - Videotapes from recent DXpeditions
Bill Pasternak WA6ITF - Young Ham of the Year Award
Richard Sandell WK6R - Recruiting Techniques
Bob Heil K9EID - High Motivational Radio Lessons
Rosalie White WA1STO - How the ARRL Can Be of Help

Synopsis: Tips and techniques to have high-motivational lessons on Ham radio.

1: 00 - 1: 45 MEDIA EFFECTIVENESS (**SESSION #H-9**).....ROOM 3

Moderator: Joe Phillips K8QOE

Panel Members: David Lawson, Reporter, Dayton Daily News; Robert Jones, Editor, Fairfield Weekly Echo.

Synopsis: Workshop about making effective news releases - the kind which daily and weekly newspapers actually use - to tell the Ham radio story.

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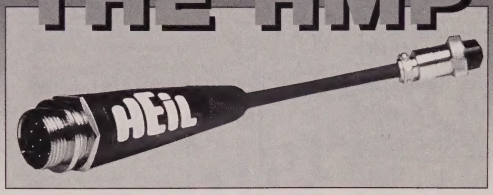

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2: 00 - 5:00 ANTENNA TECHNOLOGY (**SESSION #H-10**).....ROOM 1

Moderators: Tim Duffy K3LR

Topics: "New Low Band Receiving Antennas", Gary Breed K9AY
"Comparing Triband Antennas - The Journey So Far", Steve Morris K7LXC
"The FVR Spitfire Antenna", Fred Hopengarten K1VR
"High Performance Transmit Arrays for DX & Contest Work on 160 Meters", Jeff Briggs K1ZM

Synopsis: The Antenna forum will discuss antenna theory, design and construction. Presentations will be made by several people on a broad range of antenna related subjects.

2: 00 - 2:45 GLOBAL POSITIONING TECHNOLOGY (**SESSION #H-11**).....ROOM 2

Moderator: Gordon West WB6NOA

Synopsis: How GPS works for you. A live action demo of how the global positioning system actually makes the little $99 handheld receiver come to life. We will talk about latitudes and longitudes,grid squares, flash memory road maps and more. A fun,action-packed seminar with audience participation and plenty of hands-on equipment to see.

2:00 - 3:15 KIT BUILDING (**SESSION #H-12**) .....ROOM 3

Moderator: Joe Eisenberg WAØWRI

Synopsis: Learn all about the wide variety of easy-to-build kits available for hams to enjoy. Experience the pleasure of making QSOs on something you have built yourself! We will discuss how to pick the right kit to build and how to choose the right tools to build it. Information about where to find kits and tools at the Hamvention, as well as guidance for first-time builders, will be featured. Representatives of many different kit suppliers will be there to say a few words and examples of kits from the simplest to the most complex will be on hand to give the audience a good idea what's available.

3:00 - 5:00 COUNTY HUNTERS (**SESSION #H-13**) .....ROOM 2

Moderator: John Sebastian N8BGF

Speakers: Pete Peterson K4QFK - MARAC Awards
Bob Voss N4CD, Overview of County Hunting

County Hunters are meeting for dinner at the Old Country Buffet in the Consumer's Square Mall one half mile north of the Salem Mall, at the corner of Olive Road, Friday, May 15, from 5:00 to 6:00 PM

Synopsis: Awards and County Hunting from start to finish.

3:30 - 5:00 SIX METERS (**SESSION #H-14**) ..... ROOM 3

Moderator: Ken Neubeck WB2AMU

Synopsis: Introduction to 6 meters, propagation modes and equipment.

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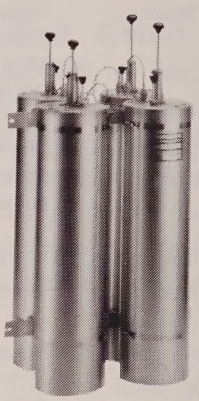

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Saturday Forums

8:15 - 9:45 SPECTRUM MANAGEMENT (**SESSION #H-15**) ..... ROOM 1

Moderator: Fred Matos, W3ICM, Nat'l Telecom & Info Admin (NTIA)

Speaker: Paul Rinaldo, ARRL, will discuss the status of Amateur Radio Operators in the ITU.

Synopsis: Presenting status of spectrum management activities concerning radio amateurs. The status reports will cover national and international activities. Some tutorial information will be presented to assist the audience in understanding the nuances of spectrum management. Other panel members presenters may talk about more specialized aspects of spectrum management such as repeater spacing, avoiding interference in multi-repeater locations, etc.

8: 15 - 9: 15 ARES (**SESSION #H-16**) .....ROOM 2

Moderator: Larry Slovak WD8MPV

8: 15 - 10: 45 WEATHER SATELLITES (**SESSION #H-17**) .....ROOM 3

Moderator: Stephen Padar

Synopsis: A series of 5 sessions presenting various Weather satellite reception technologies.
1 - GVAR, High Resolution Images from GOES - Steve Padar.
2 - HRPT via Windows 98 - Dave Cawley.
3 - Weather Satellite Image Interpretation - John Rupp.
4.- GVAR Reception & Post reception Image Processing - David Hoffman & Roger Beale.
5 - Jim Buchanan.

8: 15 - 12: 30 DX (**SESSION #MH-18**).....MHS Auditorium

Moderator: Steve Bolia N8BJQ

Speakers: "North Cook Islands, ZK1XXP" by Tom Harrell, K8XP
"St. Peter & St. Paul Rocks" by Karl Leite, PS7KM
"Sabaai-dii from Laos P.D.R. XW30 XW30(A)" by Frank Smith AHØW/OH2LVG
"8Q7AA - Low Band DXing from the Indian Ocean" by Warren Hill, K7WX
"9M0C" by Neville Cheadle, G3NUG
"ZK1XPP Program", Mike Mraz N6MZ

9: 30 - 12: 45 VHF/UHF/MICROWAVE (**SESSION #H-19**) .....ROOM 2

Moderator: Red Dakin W8ULC and Cliff Rummel W9LCE

Synopsis: A series of 6 sessions detailing various aspects of VHF/UHF/Microwave communications activities.
1 - Microwave Contesting Methods, Tom Whitted WA8WZG. Tom took single operator scoring honors in all four ARRL VHF/UHF Contests in 1997.
2 - Microwave Grid Hopping Station, Jack Nyiri AB4CR. Jack took top honors in UHF/Microwave Grid Hopping contesting in 1997.
3 - The High Performance UHF/Microwave Station, Rus Healy NJ2L.
4 - Improving the UHF/Microwave Station, Al Ward WB6LUA.
5. The GI7b Amplifier: A High-Power 1296 Triode, Barry Malowanchek VE4MA.
6 - Looking at Tropospheric Propagation, Mel Larson KCØP.

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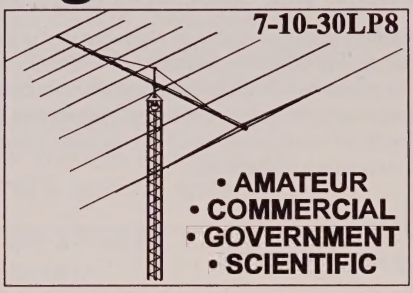

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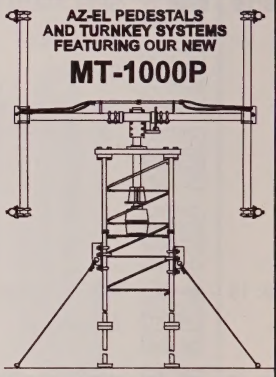

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Aullwood Audubon Center & Farm	890-7360
Dayton Aviation Trail Driving Tour	443-0793
Dayton Cultural Center	223-2489
Carillon Historical Park	293-2841
Carriage Hill Farm	879-0461
Citizens Motorcar Company: Packard Museum	226-1917
Courthouse Square	225-4669
Cox Arboretum	434-9005
The Dayton Art Institute	223-5277
Dayton Museum of Discovery	275-7431
Dayton Visual Arts Center	224-3822
Esther Price Candies	253-2121
International Women's Air & Space Museum	433-6766
Kettering-Moraine Historical Museum	299-2722
K-12 Gallery For Children	461-5149
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Old Courthouse & Montgomery County Historical Museum	228-6271
Patterson Homestead & Gardens	222-9724
Paul Laurence Dunbar House State Memorial	224-7061
River Corridor Bikeway	463-2707
Santa Clara Arts District	278-4900
Sunwatch Prehistoric Indian Village	268-8199
Trapshooting Hall of Fame and Museum	898-1945
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The Victoria Theatre	228-3630
Wegerzyn Horticultural Center	277-6545
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Wright Memorial	226-8211

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10: 00 - 10: 45 AMATEUR RADIO AND THE INTERNET/WORLD WIDE WEB (**SESSION #H-20**).....ROOM 1

Moderator: H. Michael Crestohl W1RC

Panel Members: Jack G. F. Hill W4KH Listowner, BOATANCHORS Mailing List; John Dilks, K2TQN is the AWA (Antique Wireless Association) Webmaster and will speak about hosting a Web site for clubs and associations. Kirk G Baxter, WØKGB will speak about USENET and NETNEWS.

Synopsis: An introduction to the rich resources of the Internet and World Wide Web for radio amateurs and short-wave listeners. Topics will include e-mail, Netnews, mailing lists, Web site browsing and hosting. A question and answer period will follow the speakers.

11: 00 - 11: 45 AMPLITUDE MODULATION (**SESSION #H-21**) .....ROOM 1

Moderator: Dale Gagnon KW1I

Panel Members: 2 or 3 WWII vintage radio ops.

Synopsis: 1. AM International update, operating events, current AM issues.

2. Pictorial visit to the radio rooms on the battleship USS Massachusetts and cruiser USS Salem including World War II vintage radio gear in current operation on amateur frequencies.

11:00 - 11: 45 COLLINS (**SESSION #H-22**).....ROOM 3

Moderator: Dave Knepper W3BJZ

Panel Members: William Noonan W6WJN and Rod Blocksome KØDAS

Synopsis: Although amateur radio was only one small part of Collins Radio development, Art Collins never forgot the hams. Come with us as we retrace the history of Collins Radio through a slide presentation from the very beginning of the company to the end of an era. A technical discussion will also be presented by a panel of Collins experts. Special pieces of select Collins radio equipment will be on view.

12: 00 - 12: 45 10 - 10 INTERNATIONAL NET (**SESSION #H-23**).....ROOM 1

Moderator: Tom Henderson K4CIH, President, 10-10 International Net

Panel Members: Chuck Imsande W6YLJ, Vice President; Linda Barnes KJ4FM, Director, Gerry Gross, WA6POZ, Data Manager.

Synopsis: Review of 1997 10-10 activities and an update for 1998.

12: 00 - 12: 45 NATIONAL FREQUENCY COORDINATORS' COUNCIL (**SESSION #H-24**).....ROOM 3

Moderator: NFCC President, Dick Isely W9GIG

Panel Members: NFCC Director, Owen Wormser, K6LEW
NFCC Director, Whit Brown, WBØCJX
NFCC Director, Dave Shiplett, AC4MU
NFCC Director, Clay Freinwald, K7CR

Synopsis: The NFCC is organized to provide a single point of contact for Amateur Radio Frequency Coordination with the Federal Government, other State and Local government agencies, and other international governmental agencies involved with frequency coordination. The purpose of the seminar is to provide updates as to status and progress toward forming the NFCC; to listen to input from NFCC members and non-members regarding frequency coordination processes; and, to share information about frequency coordination with all attending.

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1: 00 - 2: 45 SLOW SCAN TV (SSTV) (**SESSION #H-25**) ..... ROOM 1

Moderator: Dr. Don C. Miller, W9NTP

Topics: "Slow Scan Television with Coverage of SSTV Graphics, the Web and Video Phone", Ray Glidden W5NOO
"Getting Ready for SSTV in Outer Space", Farrell Winder W8ZCF and Hank Cantrell W4HTB

Synopsis: Several speakers discussing the state-of-the-art of SSTV technologies

1:00 - 2:45 YOUTH IN AMATEUR RADIO (**SESSION #H-26**) ..... ROOM 2

Moderator: Carole Perry, WB2MGP

Panel Members: John Crovelli W2GD, Bridgewater, NJ
Chris Duncan AD4G, Asheville, NC
Bill Nesesbitt KGØZI, Grand Junction, CO
Denis Campbell AAØYX, Grand Junction, CO
Andrew BE KI0JZ, Grand Junction, CO
Jonathon Chambers KBØTKD, Grand Junction, CO
John Pituch W2MBY, Livingston, NJ
Blair Harness KBØROM, Boulder, CO
Crystal Hart KCØAJY, Boulder, CO
Rebecca Rich KBØVVT

Synopsis: Highlighting youngsters who are active in Ham radio.

1: 00 - 1: 45 MORE TO HAM RADIO THAN A HANDHELD (**SESSION #H-27**) ..... ROOM 3

Moderator: Gordon West WB6NOA

Synopsis: We will examine the regular occurrence of tropospheric ducting on 2 meters, both FM and SSB. We will concentrate on simplex operation and simple ways to improve a roof-top antenna for increased tropospheric range. The differences between line-of-sight, reflection and tropospheric atmospheric refraction will be demonstrated with the aid of a laser light source. Sporadic-E propagation will be discussed with respect to the increasing sunspot cycle.

1:00 - 5:00 CONTESTING (**SESSION #MH-28**) ..... MHS Auditorium

Moderator: Doug Grant K1DG

Topics: "To Win the World" (The Re-mastered Edition of the K2GL Video), Peter Bizlewicz, KU2M
"The G3FXB Memorial DXpedition - VP5FXB", Geoff Howard, WØCG
"A New Record-setting QTH - African Italy", Fabio Schettino, I4UFH and Alberto Annesi, IV3TAN
"All you need is Verticals on the Beach, Mon...6Y4A", Tom Schiller, N6BT and Ken Silverman, K2KW
"How to build an All-band Contest Station on a Single Tower", Rus Healy, NJ2L
"What do the 'UBN' Reports REALLY Mean?", Bob Cox, K3EST
"Winning Single-op Strategies", John Dorr, K1AR, and Randy Thompson, K5ZD

Synopsis: Various topics in contesting.

2:00 - 3:00 PACTOR (**SESSION #H-29**) ..... ROOM 3

Moderator: Phil Sussman N8PS

Speaker: "Putting Digital to Work for Humanitarian Needs", Peter Casier, ON6TT/5XIT and Mats Persson SM7PKK

Synopsis: PACTOR is a digital mode primarily used for data transmission over HF links. Links can be either delayed or in real time. Our forum this year will concentrate on generating new interest in this mode and new software speed developments.

3:00 - 5:00 ATV (FAST SCAN TELEVISION) (**SESSION #H-30**).....ROOM 1

Moderator: Bill Parker W8DMR

Speakers: Computers and Amateur Television, Gene Harlan WB9MMM.
Amateur Television of North America, John Jaminet W3MHS and Fred Juch N5JXO.
Upgrading the DARA ATV Repeater System, Reuben Meeks K6GUC.
Antenna Selection for ATV Usage, Bill Parker W8DMR

Synopsis: Fast Scan Amateur TV (ATV).

3:00 - 5:00 ARRL MEDIA RELATIONS (**SESSION #H-31**).....ROOM 2

Moderator: Jennifer Gagne N1TDY

Speakers: Armond Noble N6WR, Publisher, Worldradio Magazine

Panel Members: Jeff Reinhardt AA6JR, ARRL Public Relations Committee
David Greer N4KZ, ARRL Public Relations Committee
Alan Kaul W6RCL, Senior News Producer, NBC
Jim McDonald KB9LEI, IN PIC
Dave Bell W6AQ ARRL PRC Chairman
Steve Mansfield N1MZA, ARRL Manager of Legislative and Public Affairs

Synopsis: A two hour forum for ARRL PICs, PIOs and anyone interested in promoting Amateur Radio in their communities. We plan to cover several areas of media relations, including how to work with your small town community newspaper, how to promote Amateur Radio on television and how to make your story ideas appealing to the media. Audience members are encouraged to bring samples of their work and questions they may direct to ARRL PR staff, members of the League's Public Relations Committee and the news professionals on the panel.

3:00 - 4:00 DIGITAL DIGEST (**SESSION #H-32**).....ROOM 3

Moderators: Dale Sinner, W6IWO

Synopsis: Dale will speak on RTTY contesting and DX. He will then introduce Bill Henry, K9GWT, (President of HAL Communications, Urbana, IL) who will speak on the topic - RTTY IN THE FUTURE.

4: 15 - 5: 00 FIREBIRDS (**SESSION #H-33**).....ROOM 3

Moderator: Denny Simmons N8XLS

Speaker: Verle Winningham K8VW

Synopsis: Status of the FIREBIRDS Radio Club.

Sunday Forums

8:15 - 9:45 AMSAT #2 (**SESSION #H-34**).....ROOM 1

Moderator. Keith Pugh, W5IU, Vice President, Operations AMSAT-North America

Topics: "PHASE 3-D Brief Status Update" - Keith Baker, KB1SF, Executive VicePresident, AMSAT-North America

"Mode S and Above ... Preparing To Use the Higher Bands on Phase 3-D" - Ed Krome, K9EK, Southern Indiana AMSAT Area Coordinator.

8:45 - 9:45 BICYCLE HAMS (**SESSION #H-35**) ..... ROOM 2

Moderator: Chris Charron KØPE

Topics: "How Your Government Can Help You Organize A Bike Event", Mark Campbell, KØ0KC
"How I Made My Mountain Bike Into A Super Ham Station", Scott Farrell, USCG, KE4WMF

Panel Members: Mark Campbell KEØCK, Iowa Governor's Traffic Safety Board and Scott Farrell, KE4WMF U.S. Coast Guard

8:45 - 9:45 DIRECTION FINDING (**SESSION #H-36**) ..... ROOM 3

Moderators: Dick Arnett WB4SUV

Topics: "Direction Finding Techniques and Discussions", Dick Arnett WB4SUV, Bob Frey WA6EZV and Jim Elmore KC8FQY
"Windtrax and Balloon Chasing", Paul Bohrer W9DUU and Chuck Crist WB9IHS

10:00 - 11:00 FCC (**SESSION #H-37**) ..... ROOM 1

Moderator: William T. Cross W3TN

Synopsis: A summary and update of proceedings at the Federal Communications Commission of interest to amateur radio operators and others.

10:00 - 11:00 THE SECOND ANNUAL HAM RADIO TOWN MEETING OF THE AIR - (**SESSION #H-38**) .. ROOM 2

Moderator: Jim Davis W2JKD

Debate: Should the current voluntary band plans be made mandatory.

Keynote: Steve Mendelsohn W2ML, 1st Vice President, ARRL

Yes: Rich Moseson W2VU, Editor, CQ-VHF Magazine

No: Greg Jones WD5IVD, President, TAPR

10:00 - 11:00 (OSSBN) THE OHIO SINGLE SIDEBAND NET UPDATE (**SESSION #H-39**) ..... ROOM 3

Moderator: John Lahman WA8MHO

Synopsis: Update on past and future activity of the OSSBN.

An informal gathering of all CW traffic handlers, active on any net, will be held immediately following, and in the same forum room as, the Ohio Single Side Band Net meeting. The group will QSY to the cafeteria for coffee and a friendly "eyeball" after assembling.

11:00 - 12:00 THE SECOND ANNUAL HAM RADIO TOWN MEETING OF THE AIR - SESSION **#H-40** .. ROOM 2

Moderator: Bill Pasternak WA6ITF

Discussion: No-code: Life beyond repeaters.

Keynote: "An Extra Looks at the Success of No-Code", Dave Bell W6AQ
"The Mississippi River Floods", Adam Weyhaupt N9MEZ
"Getting Started in VHF DXing", Dave Booth KC6WFS
"Ham Satellite Communications for Codefree Technician Class Operators", Allen Emer N2YAC

11:15 - 12:30 ISLANDS OF THE AIR (IOTA) (**SESSION #H-41**) ..... ROOM 1

Moderator: Martin Atherton G3ZAY, RSGB IOTA

Panel Members: G3KMA RSGB IOTA Manager and G3NUG RSGB IOTA Committee Vice Chairman.

Synopsis: Introduction to the IOTA Program. Review of developments and activities in last year.

Question and Answer session on rules and policy.

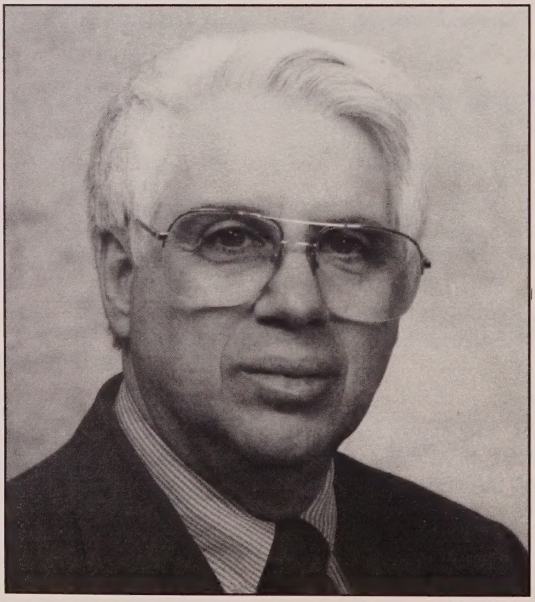
11:15 - 12:45 AMATEUR RADIO AND THE LAW (**SESSION #H-42**).....ROOM 3

Moderator: James C. O'Connell W9WU, Attorney at Law

Speakers: Chris Imlay, W3KD, ARRL General Counsel
Fred Hopengarten K1VR
Bob Cherry K2HBX
Tim Ellam VE6SH, VP Radio Amateurs of Canada

Synopsis: "Amateur Radio and the Law: Getting It Up and Keeping It Up"
Attorney Jim O'Connell, W9WU will host a forum discussion by attorneys on legal issues of interest to hams. We'll show you how to approach your local building depart ment for a permit, how to protect yourself from restrictive covenants when shopping for a new home, and how to present your case for a variance or special use. Panel attorneys wil also detail recent court decisions affecting amateur radio, including nuisance and RFI matters, and explain how the recent cellular/PCS expansion can

Attention Ohio ARRL Members
Elect Joe Phillips, K8QOE, Ohio ARRL Section Manager



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- ☐ Ohio Area Repeater Council newsletter editor 1984-89, 1997 to present time
- ☐ Established the OARC Ohio Rptr Directory 1986
- ☐ ARRL Ohio Section Public Info Coordinator 1989-97
- ☐ Established the ARRL Ohio Section Newsletter Contest 1992
- ☐ Forum speaker, Dayton Hamvention, six times
- ☐ Forum speaker, ARRL National Convention, Saginaw, 1991
- ☐ Elected the Greater Cincinnati Ham Radio Hall of Fame
- ☐ Awarded National ARRL Silver Antenna award 1995
- ☐ Member Cinti FM Club, FARA, ARES Butler County, ARPSC Hamilton County, ARRL Great Lakes Division Convention Committee

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1998 Hamvention Forums Schedule

FRIDAY – MAY 15

TIME	ROOM 1	ROOM 2	ROOM 3
9:00 a.m.	Introduction to APRS 8:15-9:45	QRP 8:15-10:15	AMSAT #1 8:15-10:15
10:00 a.m.	TAPR Digital Radio (Packet) 10:00-1:45	Combined MARS 10:30-11:45	Operating Techniques 10:00-11:30
11:00 a.m.			
noon.		Teacher's Workshop 12:00-1:45	YLRL 11:45-12:45
1:00 p.m.			Media Effectiveness 1:00-1:45
2:00 p.m.	Antenna Technology 2:00-5:00	GPS Technology 2:00-2:45	Kit Building 2:00 -3:15
3:00 p.m.		County Hunters 3:00-5:00	Six Meters 3:30-5:00
4:00 p.m.			
5:00 p.m.			

SATURDAY – MAY 16

ROOM 1	ROOM 2	ROOM 3	MHS Auditorium
Spectrum Management 8:15-9:45	ARES 8:15-9:15	WX Satellites 8:15-10:45	DX 8:15 -12:30
Ham Radio Internet / WWW 10:00 -10:45	VHF/UHF Microwave 9:30-12:45	Collins 11:00-11:45	
AM 11:00-11:45		National Freq Coordinators' 12:00 -12:45	
10-10 12:00 - 12:45		More to Ham Radio Than an HT 1:00 -1:45	
Slow Scan TV 1:00-2:45	Youth in Amateur Radio 1:00 -2:45	PACTOR 2:00-3:00	Contesting 1:00-5:00
ATV *(Fast Scan ATV)* 3:00-5:00	ARRL Media Relations 3:00 -5:00	Digital Digest 3:00 -4:00	
		Firebirds 4:15-5:00	

SUNDAY – MAY 17

ROOM 1	ROOM 2	ROOM 3
AMSAT #2 8:15-9:45	Bicycle Hams 8:45 -9:45	Direction Finding 8:45 -9:45
FCC 10:00-11:00	Ham RadioTown Meeting "A" 10:00-11:00	OSSBN 10:00-11:00
IOTA 11:15-12:30	Ham RadioTown Meeting "B" 11:00-12:00	Amateur Radio and the Law 11:15 -12:45

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Banquet.....Michelle Ervin, KA9FUL
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DARA Booth.....Lois Schmidt, KA8OOW
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Exams .....L.T. Jones, W8RLW
Exhibits.....Tom Norris, N8YFW
Finance .....Bill Ervin, KA8WCF
Flea Market ..... John Phillips, N8ZGT
Forums.....Ron Moorefield, W8ILC
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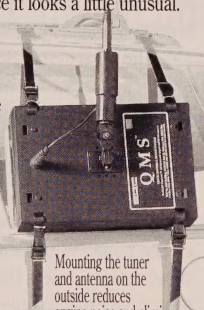

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With SGC's new PowerTalk™, you'll intercept weak HF signals, increase signal clarity and eliminate unwanted noise. You'll hear SSB signals clearer and easier than ever before. PowerTalk™ combines the advanced receiver technology of SGC's exclusive ADSP™ (Adaptive Digital Signal Processing) and SNS™ (Spectral Noise Subtraction). Fast audio *and* visual tuning—a DSP command center with a high performance spinner knob and bright LED indicators. Plus all the outstanding features of the popular SG-2000: 644 ITU and ham frequencies, programmable memory, large LCD display and 150 watts of power out. PowerTalk™ is a true HF-SSB Power Tool. We have all the details.

SG-2000. Standard marine SSB head. 644 ITU and ham frequencies, emergency alarm and backlit keypads – a world proven HF transceiver.

Call us *and hear more.*

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MADE IN USA

BUY SMART

SG-230 Smartuner®

Antenna Coupler

SSB, AM, CW & DATA

You can't buy a smarter tuner than this. An automatic antenna coupler so intelligent it precisely tunes any length antenna –8 to 80 ft–in the HF band.

The Smartuner® automatically evaluates and switches 64 input and 32 output capacitance combinations, plus 256 inductance combinations in a "pi" network. The amazing result is over a half-million different ways to ensure a perfect match for your transceiver. And the most intelligent feature of all is that the Smartuner remembers the chosen frequency and tuning values, and will automatically reselect those values –in less than 10 ms, each time you transmit on that frequency.

The SG-230 Smartuner.® Buy smart.

MICROPROCESSOR CONTROLLED • NON-VOLATILE MEMORY
• WATERPROOF B.I.T.E. INDICATOR • 1.8 TO 30 MHZ RANGE
• 10 TO 150 WATTS INPUT POWER 10mS RETUNING TIME
• 8 to 80 ft. ANTENNA (all types)

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MADE IN USA

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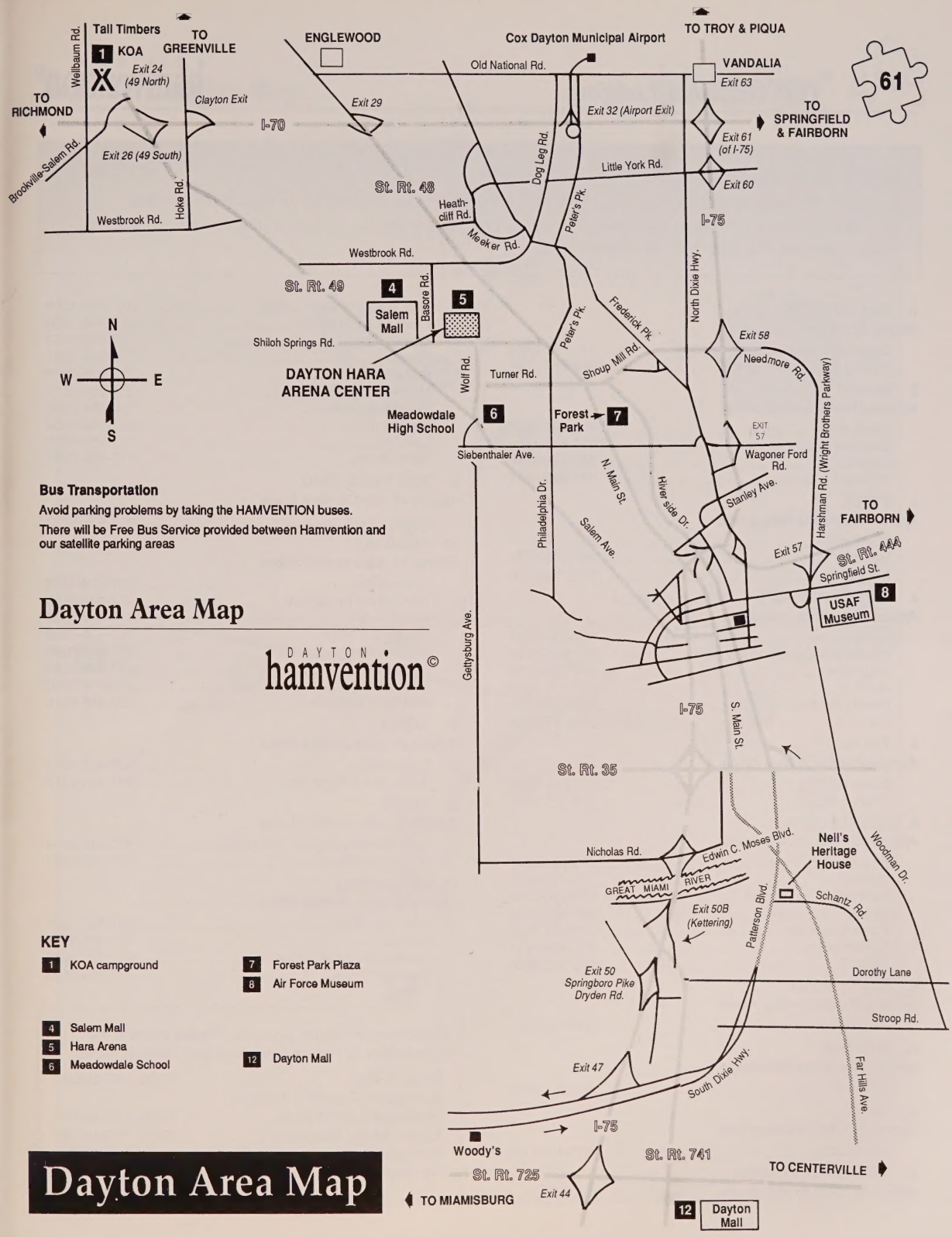


Bus Transportation

Avoid parking problems by taking the HAMVENTION buses.

There will be Free Bus Service provided between Hamvention and our satellite parking areas

Dayton Area Map

DAYTON hamvention©

KEY

- 1 KOA campground
- 4 Salem Mall
- 5 Hara Arena
- 6 Meadowdale School
- 7 Forest Park Plaza
- 8 Air Force Museum
- 12 Dayton Mall

Dayton Area Map

May 14, 15, 16, 1999

LODGING OUTSIDE OF DAYTON CAN BE ARRANGED BY CONTACTING THE HOTEL/MOTEL OF YOUR CHOICE.

The following is a list of hotels/motels located in the areas surrounding Dayton. Please refer to map on the adjacent page for geographical location of the outlying areas.

1. WAPAKONETA
Approx 52 miles to Hara Arena

Days Inn Wapakoneta	419-738-2184
Holiday Inn Wapakoneta	419-738-8181

2. SIDNEY
Approx 33 miles to Hara Arena

Comfort Inn	937-492-3001
Days Inn Sidney	937-492-1104
Econolodge	937-492-9164
Holiday Inn Sidney	937-492-1131

3. PIQUA
Approx 14 miles to Hara Arena

Comfort Inn	937-778-8100
Ho-Jo	937-773-2314
Knights Inn	937-773-6275

4. TROY & TIPP CITY
Approx 11 miles to Hara Arena

Hampton Inn	937-339-7801
Holiday Inn Express (**Tipp City**)	937-667-1574
Knights Inn	937-339-1515
Motel 6	937-335-0013
Quality Inn & Suites	937-335-0021
Super 8	937-339-6564

5. FRANKLIN
Approx 27 miles to Hara Arena

EconoLodge	513-746-3627
Knights Inn	513-746-2841

6. MIDDLETOWN
Approx 32 miles to Hara Arena

Best Western Sunset Inn	513-727-0440
Comfort Inn	513-420-9378
Fairfield Inn by Marriott	513-424-5444
Holiday Inn Express	800-465-4329
Howard Johnson	513-424-3551
Oakbrook Inn	513-424-1201
Super 8	513-422-4888

6. SPRINGBORO
Approx 27 miles to Hara Arena

Ramada Ltd.	513-746-0151

7. MONROE
Approx 34 miles to Hara Arena

Days Inn	937-539-9221

8. EATON
Approx 32 miles to Hara Arena

EconoLodge	937-456-4183

9. RICHMOND, INDIANA
Approx 46 miles to Hara Arena

Best Western Motor Lodge	317-966-1505
Clarion Leland Hotel	317-966-5000
Comfort Inn	317-935-4766
Days Inn	317-966-7591
Dollar Inn	317-966-4900
Holiday Inn & Holidome	317-966-7511
Howard Johnson	800-654-2000
Knights Inn	317-966-6682
Lee's Inn	317-966-6559
Ramada Inn	317-962-5551

9. NEW PARIS, OHIO
Approx 46 miles to Hara Arena

Golden Inn	937-437-0722

10. FAIRBORN
Approx 15 miles to Hara Arena

Comfort Inn	937-879-7666
Fairfield Inn by Marriott	937-427-0800
Hampton Inn	937-429-5505
Holiday Inn I-675	937-426-7800
Homewood Suites	937-429-0600
Hope Hotel	937-879-2596
Ramada Inn	937-879-3920
Red Roof Fairborn	937-426-6116

11. ALPHA
Approx 21 miles to Hara Arena

EconoLodge	937-426-5822
Alpha Bed & Breakfast	937-426-7275

12. XENIA
Approx 23 miles to Hara Arena

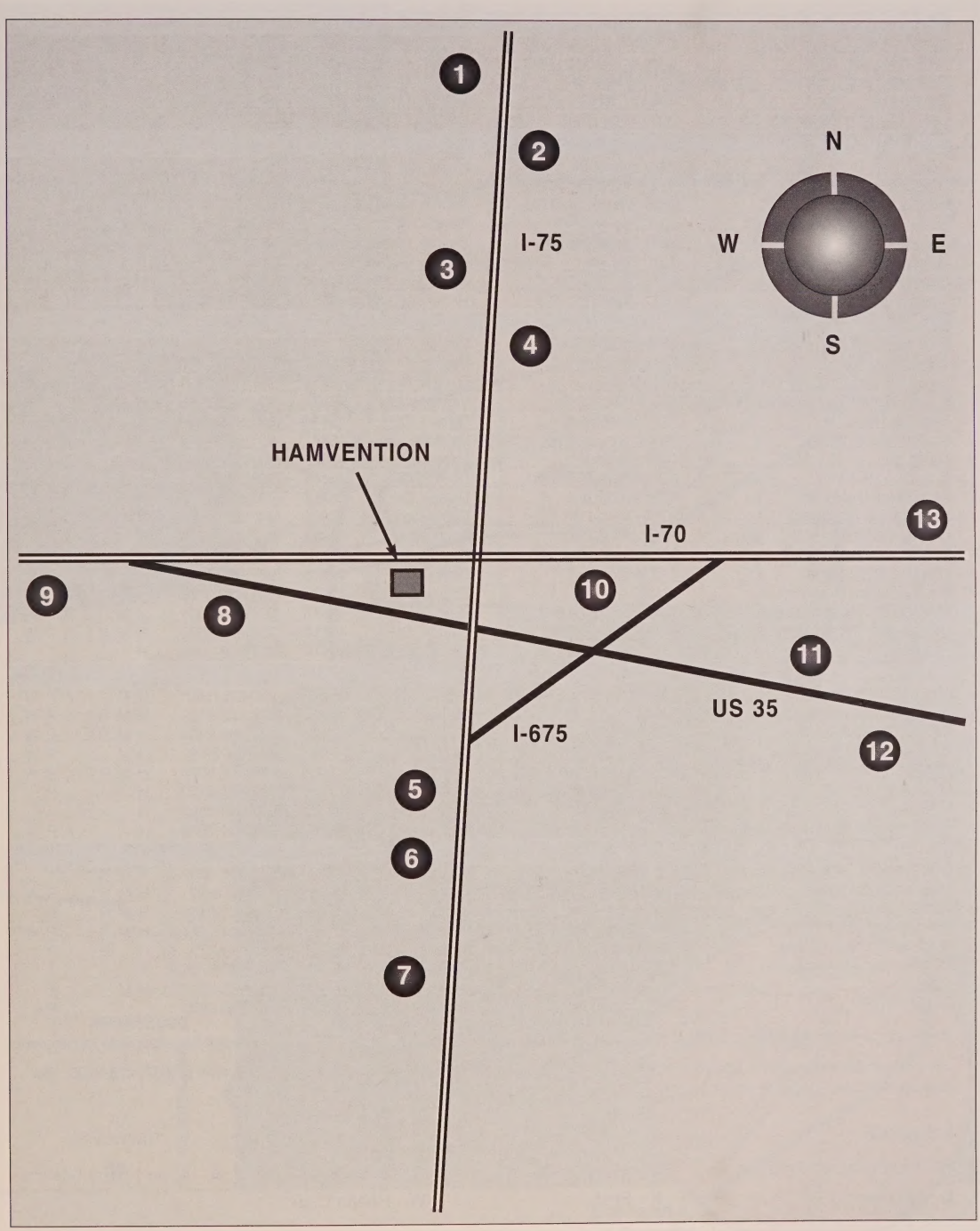
Best Western/Regency Inn Motel	937-372-9954
Holiday Inn Xenia	937-372-9921

13. SPRINGFIELD
Approx 29 miles to Hara Arena

Days Inn West	937-324-5561
Fairfield Inn	937-323-9554
Holiday Inn South Holidome	937-323-8631
Ramada Limited	937-328-0123

Other properties are available. Please contact the Convention & Visitors Bureau at the numbers listed.

Piqua & Troy	(800) 348-8993
Springboro, Franklin, Monroe, Middletown and Eaton	(800) 828-8414
Alpha, Xenia, Fairborn	(800) 733-9109
Springfield	(937) 325-7621
Richmond, Indiana	(800) 828-8414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I-675
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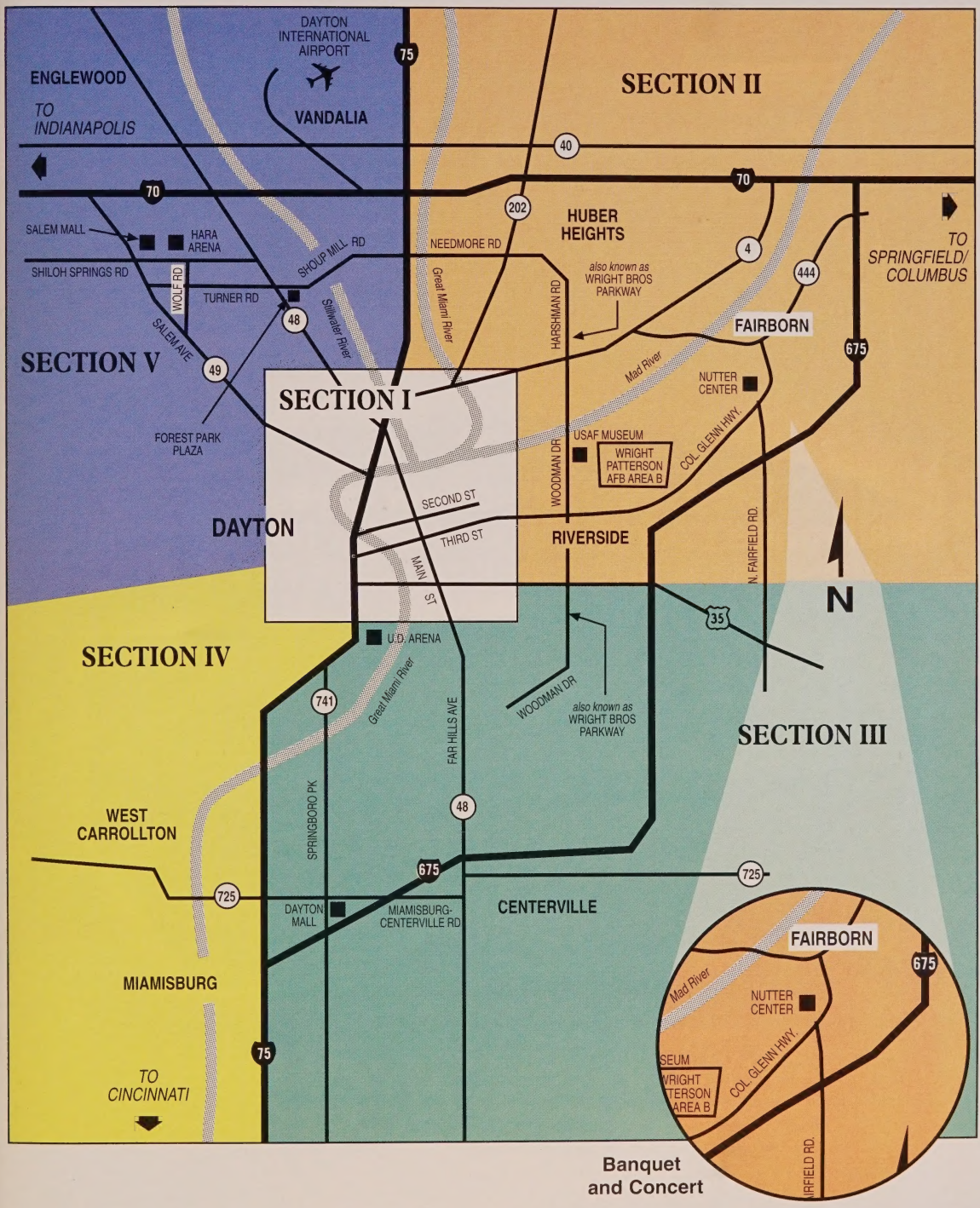
DOWNTOWN (Section "I" on map)					
Crowne Plaza Dayton Hotel	E Fifth & S Jefferson St	Dayton, OH	45402	(937)224-0800	H M R L P W
Dayton Marriott Hotel	1414 S Patterson Blvd	Dayton, OH	45409	(937)223-1000	H M R L A P W
Radisson Hotel & Suites	11 S Ludlow St	Dayton, OH	45402	(937)461-4700	H M R L A W
Travel Host	330 W First St	Dayton, OH	45402	(937)223-7131	H M P
Univ. of Dayton Residential Services*	300 College Park	Dayton, OH	45469	(937)229-3317	H P W
NORTHEAST (Section "II" on map)					
Comfort Inn Huber Heights	7907 Brandt Pk	Huber Hts, OH	45424	(937)237-7477	
Days Inn	1891 Harshman Rd	Dayton, OH	45424	(937)236-8083	
Holiday Inn North	2301 Wagner Ford Rd	Dayton, OH	45414	(937)278-4871	H M R L P W
Howard Johnson Dayton	7575 Poe Ave	Dayton, OH	45414	(937)454-0550	H M L A P
Quality Inn	2401 Needmore Rd	Dayton, OH	45414	(937)278-5711	H M R L A P W
Residence Inn by Marriott North	7070 Poe Ave	Dayton, OH	45414	(937)898-7764	H M P W
Super 8 Motel	8110 Old Troy Pk	Huber Hts, OH	45424	(937)237-1888	H P
Travelodge	7911 Brandt Pk	Huber Hts, OH	45424	(937)236-9361	H P
NORTHWEST (Section "V" on map)					
Best Western North Plaza Inn	3636 N Dixie Dr	Dayton, OH	45414	(937)276-6151	
Comfort Inn	7125 Miller Lane	Dayton, OH	45414	(937)890-9995	H P
Cross Country Inn Englewood	9325 N Main St	Dayton, OH	45415	(937)836-8339	H P
Cross Country Inn Vandalia	550 E National Rd	Vandalia, OH	45377	(937)898-7636	H M P
Days Inn North	7470 Miller Lane	Dayton, OH	45414	(937)898-4946	P
Dayton Airport Inn	Dayton International Airport	Vandalia, OH	45377	(937)898-1000	H M R L A P W
Dollar Inn	15 Rockridge Rd	Englewood, OH	45322	(937)832-3350	H
Econo Lodge North	2221 Wagner Ford Rd	Dayton, OH	45414	(937)278-1500	P
Fairfield Inn by Marriott	6960 Miller Lane	Dayton, OH	45414	(937)898-1120	H P
Hampton Inn Northwest	20 Rockridge Rd	Englewood, OH	45322	(937)832-2222	H M A W
Holiday Inn Dayton NW Airport	10 Rockridge Rd	Englewood, OH	45322	(937)832-1234	H M R L A P
Knights Inn Dayton North	3663 Maxton Rd	Dayton, OH	45414	(937)898-1212	P
Motel 6 Dayton North	7130 Miller Lane	Dayton, OH	45414	(937)898-3606	H P
Motel 6 Dayton Northwest	1212 S Main St	Englewood, OH	45322	(937)832-3770	H P
Park Inn Intn'l Dayton Airport	75 Corporate Center Dr	Vandalia, OH	45377	(937)898-8321	H M R L A P W
Ramada Inn Dayton North	4079 Little York Rd	Dayton, OH	45414	(937)890-9500	H M R L A P W
Red Roof Inn Dayton North	7370 Miller Lane	Dayton, OH	45414	(937)898-1054	H
SOUTHEAST (Section "III" on map)					
Country Hearth Inn	1944 Miamisburg-Centerville Rd	Dayton, OH	45459	(937)435-1550	H M A P W
Courtyard by Marriott	100 Prestige Place	Miamisburg, OH	45342	(937)433-3131	H M R L P W
Double Tree Guest Suites	300 Prestige Place	Miamisburg, OH	45342	(937)436-2400	H M R L P W
Hampton Inn South	8099 Old Yankee St	Dayton, OH	45458	(937)436-3700	H M P W
Holiday Inn Dayton Mall	31 Prestige Plaza	Miamisburg, OH	45342	(937)434-8030	H M R L P W
Motel 6 South	8101 Springboro Pk	Miamisburg, OH	45342	(937)434-8750	H P
Relax Inn	3333 S Dixie Dr	Dayton, OH	45439	(937)299-3581	H
Residence Inn by Marriott South	155 Prestige Place	Miamisburg, OH	45342	(937)434-7881	H A P W
SOUTHWEST (Section "IV" on map)					
Best Western Continental Inn	155 Monarch Ln	Miamisburg, OH	45342	(937)866-5500	H M R L
Days Inn Dayton South	3555 Miamisburg-Centerville Rd	Dayton, OH	45449	(937)847-8422	H M R L P W
Econo Lodge South	2140 S Edwin C Moses Blvd.	Dayton, OH	45408	(937)223-0166	H M R P
Holiday Inn Dayton South	2455 Dryden Rd	Moraine, OH	45439	(937)294-1471	H M R L P W
Knights Inn Dayton South	185 Byers Rd	Miamisburg, OH	45342	(937)859-8797	H M P
Red Roof Inn Miamisburg	222 Byers Rd	Miamisburg, OH	45342	(937)866-0705	H
Signature Inn	250 Byers Rd	Miamisburg, OH	45342	(937)865-0077	H M P
Super 8 Motel	2450 Dryden Rd	Moraine, OH	45439	(937)298-0380	P

*University of Dayton Residential Services is available for groups with a minimum of 12 people and a single person responsible for payment.

Other properties are available. Please contact the Dayton/Montgomery County Convention and Visitors Bureau at (937) 226-8236. You may also FAX the Bureau at (937) 226-8294.

Legend

H - Handicapped Facilities
M - Meeting Room
R - Restaurant
A - Airport Limo Service
L - Lounge
P - Pool
W - Health Club


DAYTON INTERNATIONAL AIRPORT
ENGLEWOOD
TO INDIANAPOLIS
VANDALIA
SECTION II
HUBER HEIGHTS
SALEM MALL
HARA ARENA
SHILOH SPRINGS RD
WOLF RD
TURNER RD
SHOUP MILL RD
NEEDMORE RD
Great Miami River
Stillwater River
SALEM AVE
also known as WRIGHT BROS PARKWAY
HARSHMAN RD
FAIRBORN
TO SPRINGFIELD/ COLUMBUS
SECTION V
SECTION I
Mad River
NUTTER CENTER
FOREST PARK PLAZA
USAF MUSEUM
WRIGHT PATTERSON AFB AREA B
COL. GLENN HWY.
WOODMAN DR
SECOND ST
THIRD ST
DAYTON
RIVERSIDE
MAIN ST
N. FAIRFIELD RD.
N
SECTION IV
U.D. ARENA
Great Miami River
FAR HILLS AVE
WOODMAN DR
also known as WRIGHT BROS PARKWAY
SECTION III
WEST CARROLLTON
SPRINGBORO PK
DAYTON MALL
MIAMISBURG-CENTERVILLE RD
CENTERVILLE
MIAMISBURG
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Banquet and Concert
FAIRBORN
Mad River
NUTTER CENTER
COL. GLENN HWY.
675

EARTH STATION FT-847

HF/50/144/430 MHz All Mode Transceiver

"Compact, too--great for our next 'rover' operation."

"HF, VHF/UHF, and satellite, all-in-one!"

"And the DSP helped me hear my first moonbounce signal, ever!"

"Looks like Yaesu did it again!"

The FT-847 changes base station operation forever. Now, three radios in one--HF, VHF/UHF, satellite; technology in its finest application, from the world leader in amateur communication.

With its unequaled combination of features, like DSP filters—notch, NR and BPF, built-in 6-meter, voice monitor, separate sub-band dial, Shuttle Jog dial, Smart Search, and digital meter, the FT-847 is the only radio of its kind! Exclusively for satellite work, 19 memories exceed any other radio. For performance, power-up with 100W for HF/6-meter, and 50W for 2-meter and 430 MHz. Additional "must-haves" include cross-band full duplex, normal/reverse tracking, CTCSS and DCS encode/decode, and direct keypad frequency entry. Plus, the FT-847 is 1200/9600 bps packet-ready.

Take the next step in all-band performance and take home the FT-847 today!

Only one transceiver gives you all mode operations on HF/50/144/430 MHz with full Satellite capability.

NEW Yaesu Patented Design

ATAS-100

Active Tuning Antenna System

Designed for the FT-847. Works on 7/14/21/28/50/144/430 MHz Amateur Bands for mobile operation.

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Choice of the World's top DX'ers

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SEE US IN BOOTHS 521-524, 532-535 & 586-587. WE ARE A HAMVENTION PRIZE DONOR.

"The quick-release remote front panel gives you so many installation options."

"And with dual receive you can talk on one band, and listen on another!"

"Plus, the high-tech Enhanced Smart Search™ is great for finding repeaters --and you can watch it all on the dual display."

"Looks like Yaesu did it again!"

FT-8100R

Compact Dual Band Mobile

Now a dual-bander that remotes and is easy-to-use, without sacrificing the features you want!

With its quick-release, remote front panel system, the FT-8100R combines high-performance dual-band features in a simple-to-operate rugged mobile built to the endurance standards of commercial radios. The result is installation flexibility and industry-first, "must-have" advantages!

Use dual receive (V+V, U+U or V+U), or talk on one band while listening on another. Watch Yaesu's exclusive Enhanced Smart Search™ automatically seek out and load active frequencies--great for finding new repeaters while traveling.

Get wide receive coverage--from 110 to 550 MHz and 750 to 1300 MHz* for public safety, marine, aircraft, and weather channels. Enjoy up to 50 Watts of VHF power output (35 Watts on UHF) with High/Medium/Low choice on each band, and "plug and play" 1200 or 9600 bps packet. Utilize 208 memory channels--the greatest available on any remote mobile--to store repeater offset, CTCSS tone, packet baud rate, and power level.

Yaesu's popular Omni-Glow™ display provides a wide field of view, and includes a DC voltage meter. Quickly program, or clone frequency memories with optional Windows™ PC programmable ADMS-2D.

"User-friendly" describes the streamlined front panel layout. Eight clearly-marked keys, and separate Volume/Squelch controls for each band, make operation easy. And the backlit DTMF microphone includes 3 user-programmable keys...but no awkward keypad cover!

Don't sacrifice high-performance features in your dual-band mobile installation. Get the easy-to-use FT-8100R at your Yaesu dealer now!

YAESU

...leading the way.℠

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Features

- Frequency Coverage
  - RX: 110~550 MHz
  - 750~1300 MHz*
  - TX: 144~148 MHz
  - 430~450 MHz
- Detachable Front Panel (remotable w/optional YSK-8100)
- 3 Power Output Levels
  - 2m 50/20/5 Watt
  - 70cm 35/20/5 Watt
- 208 Memory Channels
- Enhanced Smart Search™
- CTCSS Encode
- Built-in Duplexer
- S-Meter Squelch
- Dual Receive (V+V,U+U,V+U)
- Crossband Repeat (bidirectional or one-way)
- PC Programmable w/optional ADMS-2D
- Digital Battery Voltage Display
- Auto Power Off (APO)
- Omni-Glow™ Display
- 1200/9600 bps Packet Compatible
- Alternating-Band Memory Selection (ABMS)
- DTMF Autodialer (6 Memories)
- Time Out Timer (TOT)
- Accessories: Consult your local Yaesu dealer.

*Cellular & 900 MHz Cordless Phone frequencies blocked.

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Xplorer

Receivers

Xplorer Test Receiver:
- 30MHz - 2GHz
- Two line LCD frequency display
- Decode CTCSS, DCS, and DTMF
- 500 memories
- 1000 frequency lockout
- Built-in PC interface
- Capture 5 watt UHF signal from 800 feet

R11

R11 Test Receiver:
- 30MHz - 2GHz wide band receiver
- Built-in speaker for instant audio demodulation
- LED frequency range indication display
- Reaction Tune with Scout
- Capture 5 watt UHF signal from 500 feet
- 1000 frequency lockout

OS456/535

PC Control

OS456 / OS535:
Computer control scanning interface board for the popular RadioShack Pro 2005/6 and Pro 2035/42.

Optolinx

Optolinx Universal Interface:
PC interface for downloading frequencies from Scout to a PC, or computer control the ICOM R7000, R7100, R8500, R9000, R10 and also the AOR AR8000. Use built-in data slicer circuit for use with Trunker® software. (Trunker® software not included with Optolinx)

Scout

Counters

Scout Frequency Recorder
- 10MHz - 1.4GHz
- Stores 400 frequencies in memory
- Reaction Tune the ICOM R7000, R7100, R8500, R9000, R10, and AOR 8000
- 10 digit LCD with signal strength bargraph
- Vibrator and beeper alert mode

3000A+ M1 Cub

Cub, M1, 3000APlus:
Handheld frequency counters, all incorporating patented Digital Filter and Digital Auto Capture. All counters come with initial accuracy of +/- 1ppm. High impedance amplifiers standard on M1 and 3000APlus. Call for additional features on all three counters.

While on the job or just having fun, take along an Optoelectronics product and experience an entire world of wireless communications.

If you need to calibrate a radio oscillator or just find frequencies around town, you will always be prepared with an Optoelectronics product. Experience the performance of Test Receivers, Frequency Counters, and Computer Control interfaces as so many professional technicians and hobbyist alike have relied upon to get the job done.

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Visa, MasterCard. Prices are subject to change without notice or obligation. Show specials available at Dayton Hamvention only.
www.optoelectronics.com

Seeing is Transceiving

We've Got 3 Event Locations!
(See inside for exciting details.)

Portable SSTV is here! Kenwood's new VC-H1 Visual Communicator combines an image-scan converter, CCD camera and LCD monitor in a compact battery-operated unit. Simply hook it up to your Kenwood transceiver to start sending and receiving color images over the air.

VC-H1 Visual Communicator

◗ Ideal for outdoor SSTV

Until now, for anyone interested in SSTV (slow-scan television), portability has not been an option. But thanks to component miniaturization the VC-H1 is not only small enough for handheld use but it runs off 4 AA batteries so you can take it anywhere. This makes it ideal for field days, special events, disaster communications and even fishing trips.

◗ Full compatibility

The VC-H1 can be connected to any transceiver with just a cable, and it offers full compatibility with all of the standard SSTV formats. Uploads/downloads are quick and easy; the images are also sharp and clear.

◗ All-in-one design

In addition to the detachable 1/4-inch CCD camera, the VC-H1 features a 1.8-inch color TFT (thin film transistor)-type display. As well as viewing incoming pictures, you can review your own prior to transmission. The built-in microphone & speaker can be used in place of a separate speaker-microphone for your transceiver.

◗ Image memory

Up to 10 pictures can be stored in memory. This allows you to compare and pick the best shot to send. You can also store incoming pictures and protect them from unintentional deletion.

◗ Computer connectivity

One of the great features of the VC-H1 is the ability to work with a personal computer. Hook it up to the RS-232C port on your laptop using the optional connection kit (includes Microsoft® Windows® 95 software) and you can save pictures (in JPEG format) that you send and receive. You can then cut and paste using standard graphics software, or even superimpose your own text. What's more, you can actually control the VC-H1 from your computer.

◗ Call sign superimpose

◗ AF mute

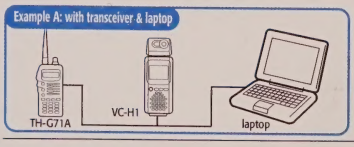
◗ Auto power-off

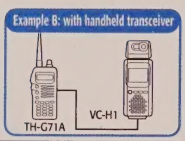
270,000-pixel CCD image sensor
360-degree rotatable camera head (detachable)
1.8-inch TFT-type color display
Operates on 4 AA alkaline batteries
Microphone & speaker

SPECIFICATIONS

• Terminals : Data I/O (for transceiver), Video in, Video out, COM (for computer),DC IN (4.8 ~ 7.0V) • Dimensions, projections not included (WxHxD): 2-5/8 x 1-3/8 x 6-3/4 in (62 x 30 x 160 mm)

Specifications are subject to change without notice.
Screen-shot photographs are simulated.
Microsoft and Windows are registered trademarks of Microsoft Corporation





TH-G71A
144/440MHz
FM Dual Bander

- 6W (VHF), 5.5W (UHF)
- PC programmable
- 200 memory ch. with alphanumeric display
- MIL-STD 810E (rain & shock)
- CTCSS tone scan
- DTMF memory (10 ch. up to 16 digits)
- Wide-range coverage

ISO 9001
JQA-1205

Communications Equipment Division
Kenwood Corporation
ISO9001 certification

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98ARD-1744

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